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Gencore version 5.1.6

Sequence 6 - nucleic - nucleic search, using sw model

on: August 10, 2004, 17:38:40 ; Search time 173 Seconds

{without alignments}

7958.573 Million cell updates/sec

e: US-09-434-382-1

exact score: 2481

ence: 1 atggggcggttgcgt.....agaaggctcagagcccgatgtaa 2481

ing table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

[Additional] number of hits satisfying chosen parameters:

minimum DB sea length: 0

music-processing: Minim Maxim Match 9% Match 100%

disclosing itself in sunniness

Database : Issued Patients NA: * 11 /65536/Ptodata/3/ims/58

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2: /cgn2_6 /ptodata/2/ina/6A COMB. seq.*  
3: /cgn2_6 /ptodata/2/ina/6A COMB. seq.*  
4: /cgn2_6 /ptodata/2/ina/6B COMB. seq.*  
5: /cgn2_6 /ptodata/2/ina/PCITS COMB. seq.*  
6: /cgn2_6 /ptodata/2/ina/backfile1. seq.*
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No. is the number of results predicted by chance to have a score of the result being printed, or equal to or greater than or derived by analysis of the total score distribution.

SUMMARIES

No.	Score	Match	Length	DB	ID	Description	SEQ ID NO 1
1	2481	100.0	2481	4	US-09-564-805-1	Sequence 1, Appli	LENGTH: 2481
2	2481	100.0	2958	4	US-09-564-805-3	Sequence 3, Appli	TYPE: DNA
3	2455.4	99.0	2908	4	US-09-564-805-223	Sequence 223, Appli	ORGANISM: Homo sapiens
4	2442.6	98.5	2892	4	US-09-564-805-225	Sequence 225, Appli	FEATURE: CDS
5	1645.6	66.3	2470	4	US-09-564-805-221	Sequence 221, Appli	NAME/KEY: CDS
6	734.8	29.6	783	4	US-09-833-381-2039	Sequence 2039, Appli	LOCATION: (1) .. (2478)
7	470.4	19.0	536	4	US-09-833-381-2038	Sequence 2038, Appli	US-09-564-805-1
8	247.4	10.0	350	4	US-09-564-805-210	Sequence 210, Appli	Query Match
9	247.4	10.0	26664	4	US-09-564-805-28	Sequence 28, Appli	Best Local Similarity
10	245	9.9	295	4	US-09-564-805-4	Sequence 4, Appli	100.0%; Pred. No. 0;
11	237	9.6	238	3	US-09-328-11-315	Sequence 315, Appli	100.0%; Mismatches
12	228	9.2	655	4	US-09-564-805-27	Sequence 27, Appli	0; Indels
13	145	5.8	145	4	US-09-564-805-26	Sequence 26, Appli	0; Gaps
14	139	5.6	139	4	US-09-564-805-16	Sequence 16, Appli	0
15	139	5.6	139	4	US-09-564-805-20	Sequence 20, Appli	
16	121	4.9	121	4	US-09-564-805-24	Sequence 24, Appli	
17	120	4.8	120	4	US-09-564-805-10	Sequence 10, Appli	
18	119	4.8	119	4	US-09-564-805-18	Sequence 18, Appli	
19	113.6	4.6	326	4	US-09-664-805-212	Sequence 212, Appli	
20	113	4.6	113	4	US-09-564-805-14	Sequence 14, Appli	
21	110	4.4	110	4	US-09-564-805-22	Sequence 22, Appli	
22	100	4.0	100	4	US-09-664-805-23	Sequence 23, Appli	
23	97	3.9	97	4	US-09-664-805-19	Sequence 19, Appli	
24	96	3.9	96	4	US-09-564-805-18	Sequence 18, Appli	
25	86	3.5	86	4	US-09-664-805-17	Sequence 17, Appli	
26	79	3.2	79	4	US-09-664-805-25	Sequence 25, Appli	
27	72	3.2	72	4	US-09-564-805-12	Sequence 12, Appli	
28	69	3.2	69	4	US-09-564-805-11	Sequence 11, Appli	
29	66	3.2	66	4	US-09-564-805-10	Sequence 10, Appli	
30	61	3.2	61	4	US-09-564-805-9	Sequence 9, Appli	
31	59	3.2	59	4	US-09-564-805-8	Sequence 8, Appli	
32	56	3.2	56	4	US-09-564-805-7	Sequence 7, Appli	
33	54	3.2	54	4	US-09-564-805-6	Sequence 6, Appli	
34	52	3.2	52	4	US-09-564-805-5	Sequence 5, Appli	
35	50	3.2	50	4	US-09-564-805-4	Sequence 4, Appli	
36	48	3.2	48	4	US-09-564-805-3	Sequence 3, Appli	
37	46	3.2	46	4	US-09-564-805-2	Sequence 2, Appli	
38	44	3.2	44	4	US-09-564-805-1	Sequence 1, Appli	

ALIGNMENTS

24 1	AACCGGTATCTTAACTGGGAAAGGGTTAGAGACTCATGCAAGGACAAAGTTA	300	Db	1321	TGCAATCTGGAATTCATGGTGGCGTCTCCAACTTCCGCAGAGCGGTG	13 886
24 1	AACCGGTATCTTCAACTGGAAGGGTTCAGAACCTCATGCAAGGACAAAGTTA	300	Db	1381	CAGGATTAAGGGAGTCGGAGGAGCGGTCATCCGATGAAGATTGGAATTCAGT	14 440
30 1	AAGGTGGCTGGCTGACAAACATATCCCTGACACAAATCCTGCAAGGACAAAGTTA	360	Db	1381	CAGGATTAAGGGAGTCGGAGGAGCGGTCATCCGATGAAGATTGGAATTCAGT	14 440
30 1	AGGTGCGCCGACACATATCCGACAGAAATCCGACAGAAATCAGTCAGGTCATG	360	Db	1381	CAGGATTAAGGGAGTCGGAGGAGCGGTCATCCGATGAAGATTGGAATTCAGT	14 440
36 1	TTAAGTGGATGATTCTTACTTTAACGGGTTCCAAGGTCTACTTTCTCGA	420	Qy	1441	CCGAATTCATTTCCCTGGAAACGGGTCATCCGATGAAGATTGGAATTCAGT	15 000
36 1	TTAAGTGGATGATTCTTACTTTAACGGGTTCCAAGGTCTACTTTCTCGA	420	Db	1441	CCGAATTCATTTCCCTGGAAACGGGTCATCCGATGAAGATTGGAATTCAGT	15 000
Qy			Qy	1441	CCGAATTCATTTCCCTGGAAACGGGTCATCCGATGAAGATTGGAATTCAGT	15 000
Db			Db	1441	CCGAATTCATTTCCCTGGAAACGGGTCATCCGATGAAGATTGGAATTCAGT	15 000
Qy			Qy	1501	CCCACTCTGCACTTAAAGCCGCCACGCTCTCTCTACTGGACTCTGGTGA	15 660
Qy			Qy	1501	CCCACTCTGCACTTAAAGCCGCCACGCTCTCTCTACTGGACTCTGGTGA	15 660
Db			Db	1501	CCCACTCTGCACTTAAAGCCGCCACGCTCTCTCTACTGGACTCTGGTGA	15 660
Qy			Qy	1561	TTTGGGAGCTGTGGCTTACCGAGACAGGTGACAGGGTCTGGCACCTGGT	16 200
Qy			Qy	1561	TTTGGGAGCTGTGGCTTACCGAGACAGGTGACAGGGTCTGGCACCTGGT	16 200
Db			Db	1561	TTTGGGAGCTGTGGCTTACCGAGACAGGTGACAGGGTCTGGCACCTGGT	16 200
Qy			Qy	1561	TTTGGGAGCTGTGGCTTACCGAGACAGGTGACAGGGTCTGGCACCTGGT	16 200
Db			Db	1561	TTTGGGAGCTGTGGCTTACCGAGACAGGTGACAGGGTCTGGCACCTGGT	16 200
Qy			Qy	1621	GCTGTGTTGGTCCACCTGGCAGATCACAGGATGCTGCAAGTATTTGCTG	16 800
Qy			Qy	1621	GCTGTGTTGGTCCACCTGGCAGATCACAGGATGCTGCAAGTATTTGCTG	16 800
Db			Db	1621	GCTGTGTTGGTCCACCTGGCAGATCACAGGATGCTGCAAGTATTTGCTG	16 800
Qy			Qy	1681	CAGAGAGAACGGGCTTGGCATCTGGAAAAGGCCCTTGGGAAAGGCTT	17 400
Qy			Qy	1681	CAGAGAGAACGGGCTTGGCATCTGGAAAAGGCCCTTGGGAAAGGCTT	17 400
Db			Db	1681	CAGAGAGAACGGGCTTGGCATCTGGAAAAGGCCCTTGGGAAAGGCTT	17 400
Qy			Qy	1741	CCCAACAGCTAACCCCTGGCTCAGCACTACCAQAAACAGTGCACGAGG	18 000
Qy			Qy	1741	CCCAACAGCTAACCCCTGGCTCAGCACTACCAQAAACAGTGCACGAGG	18 000
Db			Db	1741	CCCAACAGCTAACCCCTGGCTCAGCACTACCAQAAACAGTGCACGAGG	18 000
Qy			Qy	1741	CCCAACAGCTAACCCCTGGCTCAGCACTACCAQAAACAGTGCACGAGG	18 000
Db			Db	1741	CCCAACAGCTAACCCCTGGCTCAGCACTACCAQAAACAGTGCACGAGG	18 000
Qy			Qy	1801	CACATAGATGATCTGCAAAATGCCCTGGCTGAGATTCAGTCTGCA	18 600
Qy			Qy	1801	CACATAGATGATCTGCAAAATGCCCTGGCTGAGATTCAGTCTGCA	18 600
Db			Db	1801	CACATAGATGATCTGCAAAATGCCCTGGCTGAGATTCAGTCTGCA	18 600
Qy			Qy	1861	GTGGAAGATGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	19 200
Qy			Qy	1861	GTGGAAGATGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	19 200
Db			Db	1861	GTGGAAGATGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	19 200
Qy			Qy	1921	CTGGTCGGCACTGCAAGCATGCTGTTGCGCTGTGCGTGCACCCCTGG	19 800
Qy			Qy	1921	CTGGTCGGCACTGCAAGCATGCTGTTGCGCTGTGCGTGCACCCCTGG	19 800
Db			Db	1921	CTGGTCGGCACTGCAAGCATGCTGTTGCGCTGTGCGTGCACCCCTGG	19 800
Qy			Qy	1980	GTGGAAAGATGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	21 000
Qy			Qy	1980	GTGGAAAGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	21 000
Db			Db	1980	GTGGAAAGATGATGATCTGGTGGAGAGTGTGATTGGAAGAGTT	21 000
Qy			Qy	2041	ACCTCTGTGATAACAGGCCACCTGGGAACTTGGAGATGTTGGCA	21 600
Qy			Qy	2041	ACCTCTGTGATAACAGGCCACCTGGGAACTTGGAGATGTTGGCA	21 600
Db			Db	2041	ACCTCTGTGATAACAGGCCACCTGGGAACTTGGAGATGTTGGCA	21 600
Qy			Qy	2101	ACACAGAGCAACGCCACCTGGGAACTTGGGATCAACGGGAGTTCA	21 600
Qy			Qy	2101	ACACAGAGCAACGCCACCTGGGAACTTGGGATCAACGGGAGTTCA	21 600
Db			Db	2101	ACACAGAGCAACGCCACCTGGGAACTTGGGATCAACGGGAGTTCA	21 600
Qy			Qy	2161	ATGCTGAAACACTTGGCAGCGCTATGCCAAGGTCCTCTTCAGCC	22 220
Qy			Qy	2161	ATGCTGAAACACTTGGCAGCGCTATGCCAAGGTCCTCTTCAGCC	22 220
Db			Db	2161	ATGCTGAAACACTTGGCAGCGCTATGCCAAGGTCCTCTTCAGCC	22 220
Qy			Qy	2221	GAGAAAGTGGAGTGGCTTGGCTGAGACTTTCAGAACATG	22 880
Qy			Qy	2221	GAGAAAGTGGAGTGGCTTGGCTGAGACTTTCAGAACATG	22 880
Db			Db	2221	GAGAAAGTGGAGTGGCTTGGCTGAGACTTTCAGAACATG	22 880
Qy			Qy	2281	CCCAAGCTGATTCCCACACTGAAAGGATGTCGAGGATGTCGAGG	23 430
Qy			Qy	2281	CCCAAGCTGATTCCCACACTGAAAGGATGTCGAGGATGTCGAGG	23 430
Db			Db	2281	CCCAAGCTGATTCCCACACTGAAAGGATGTCGAGGATGTCGAGG	23 430
Qy			Qy	2341	GGCGGCCTGGAGGATGGCTCAGGAGGACCTGGCCACAGAGGAC	24 600
Qy			Qy	2341	GGCGGCCTGGAGGATGGCTCAGGAGGACCTGGCCACAGAGGAC	24 600
Db			Db	2341	GGCGGCCTGGAGGATGGCTCAGGAGGACCTGGCCACAGAGGAC	24 600
Qy			Qy	2401	GGCGGCCTGGAGGATGGCTCAGGAGGACCTGGCCACAGAGGAC	24 600

RESULT 3
US-09-264-805-223
; Sequence 223, Application US/09564805
; Patent No. 633303
; GENERAL INFORMATION:
; APPLICANT: Tariqian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques

QY 721 GTAGCTTCACTCTGTAAGGTTCACTTAAGAGAGGAACCTTCTGGTGTCTCAAGGAAAG 780
 Db 721 GTAGTTTATCTGTAAGGTTCACTTAAGAGAGGAACCTTCTGGTGTCTCAAGGAAAG 780
 QY 781 GAGATGGGCTCCAGTGGAGCACTGGCTCCATCTGGTGTCTCAAGGAC 840
 Db 781 GAGATGGGCTCCAGTGGAGCACTGGCTCCATCTGGTGTCTCAAGGAC 840
 QY 841 GGGAAAAGGATCACTCATGGAGAGAGGAATGGCTGAAGAGCTGAGCTGAGCTCCTCA 900
 Db 841 GGGAAAAGGATCACTCATGGAGAGAGGAATGGCTGAAGAGCTGAGCTGAGCTCCTCA 900
 QY 901 GATCTGGTGTCTGCTTGTGGTGTGGATGTCAGATGAAGCTTCAACCCATC 960
 Db 901 GATCTGGTGTCTGCTTGTGGTGTGGATGTCAGATGAAGCTTCAACCCATC 960
 QY 961 TGTGAGAAATGCCACCTTCAAGAGTTACCAAGGAAGGGAGATGCCAGATGGCTTGGT 1020
 Db 961 TGTGAGAAATGCCACCTTCAAGAGTTACCAAGGAAGGGAGATGCCAGATGGCTTGGT 1020
 QY 1021 GTTACATGCCAGCATCTGCTTGTGGAGCAGCACTTACAGCAGTGGATGCCAGC 1080
 Db 1021 GTTACATGCCAGCATCTGCTTGTGGAGCAGCACTTACAGCAGTGGATGCCAGC 1080
 QY 1081 TTGGGCTGTGACCCAGTGGACTTGTCCAGTGGAGACTTGTGGAGCTTGTGGAG 1140
 Db 1081 TTGGGCTGTGACCCAGTGGACTTGTCCAGTGGAGACTTGTGGAGCTTGTGGAG 1140
 QY 1141 CGCACCCCAAGAGATCAACCCAGCTCACCTCATCCACCCGACATCTTCCCCTGTCTC 1200
 Db 1141 CGCACCCCAAGAGATCAACCCAGCTCACCTCATCCACCCGACATCTTCCCCTGTCTC 1200
 QY 1201 ACCAGTTCCGCTGTAAGAGGGGCCACCTCTAGTGTGCCATCTGGTGTGAA 1260
 Db 1201 ACCAGTTCCGCTGTAAGAGGGGCCACCTCTAGTGTGCCATCTGGTGTGAA 1260
 QY 1261 TGCATATCTGAGGATTCACTAGTGGAGGGAGTGGAGGGATGCCATTATTACT 1320
 Db 1261 TGCATATCTGAGGATTCACTAGTGGAGGGAGTGGAGGGATGCCATTATTACT 1320
 QY 1321 TGCATATCTGAGGATTCACTAGTGGAGGGAGTGGAGGGATGCCATTATTACT 1380
 Db 1321 TGCATATCTGAGGATTCACTAGTGGAGGGAGTGGAGGGATGCCATTATTACT 1380
 QY 1381 CAGGAGTACAGGAGGTGGAGGAGCAGGCCAGCAAGAAAGGTCACTAC 1440
 Db 1381 CAGGAGTACAGGAGGTGGAGGAGCAGGCCAGCAAGAAAGGTCACTAC 1440
 QY 1441 CCAGAAATCATCTCTTGGAACAGGGTGTGCCATTCCGATGAAATGTCAGT 1500
 Db 1441 CCAGAAATCATCTCTTGGAACAGGGTGTGCCATTCCGATGAAATGTCAGT 1500
 QY 1501 GCCACACTTGTCAACATAGCCGACAGCTCTGCTGACTGTGGAGGGACA 1560
 Db 1501 GCCACACTTGTCAACATAGCCGACAGCTCTGCTGACTGTGGAGGGACA 1560
 QY 1561 TTGGGCACTGCTGCCCTTATTAGGAGMCCAGTGGACAGGGTCTGGCACCTCTGGT 1620
 Db 1561 TTGGGCACTGCTGCCCTTATTAGGAGMCCAGTGGACAGGGTCTGGCACCTCTGGT 1620
 QY 1681 CAGAGAGAACGGCTTGGCATTTGGAAAGCGGTCACCCCTTGTGGTGTGCA 1740
 Db 1681 CAGAGAGAACGGCTTGGCATTTGGAAAGCGGTCACCCCTTGTGGTGTGCA 1740
 QY 1741 CCCAACCCAGCTCAAGGCTTGGCTTCAAGAACAGTGGACAGGGTCTGCA 1800
 Db 1741 CCCAACCCAGCTCAAGGCTTGGCTTCAAGAACAGTGGACAGGGTCTGCA 1800

RESULT 4
 US-09-564-805-225
 Sequence 225, Application US/09564805
 ; Patent No. 6333403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigian, Sean V.
 ; APPLICANT: Teng, David H. F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Jozanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09-564-805
 ; CURRENT FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,468
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 225
 ; LENGTH: 2892
 ; TYPE: DNA

RESULT 8
 US-09-564-805-210
 Sequence 210, Application US/09564805
 ; Patent No. 633403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavitrian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09/564,805
 ; CURRENT FILING DATE: 2000-05-05
 ; PRIORITY APPLICATION NUMBER: US 60/107,468
 ; PRIORITY FILING DATE: 1998-11-06
 ; PRIORITY APPLICATION NUMBER: 09/434,382
 ; PRIORITY FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 210
 ; LENGTH: 350
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (51) . (293)
 ; US-09-564-805-210

Query Match Score 10.0%; Score 247.4%; Score 247.4%;
 Best Local Similarity 97.7%; Pred. No. 8.3e-58;
 Matches 251; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Query 1 ATGGGGCGCTTGCCTGCTGCGTCCGGGACCCATGTCGGACGGACGC 60
 Db 51 ATGGGGCGCTTGCCTGCTGCGTCCGGGACCCATGTCGGACGGACGC 110
 Query 61 ACCATATCGAGGCAACCGGCCGAGGACCCGCGTGGACCTGTCGGACCTG 120
 Db 111 ACCATATCGAGGCAACCGGCCGAGGACCCGCGTGGACCTGTCGGACCTG 170
 Query 121 CGCACCGAGAACGGGACCCGGGACCTGGGACCTGGGACCCGGGACCTG 180
 Db 171 CGCACCGAGAACGGGACCCGGGACCTGGGACCCGGGACCTGGGACCTG 230
 Query 181 CAGGTGTGGAGGGGTAGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 240
 Db 231 CAGGTGTGGAGGGGTAGGGCTGGGGCTGGGGCTGGGGCTGGGGCTGGGG 290
 Query 241 AACGGGTATCTCTCAA 257
 Db 291 AACGGGTATCTCTCAA 307

RESULT 9
 US-09-564-805-28
 Sequence 28, Application US/09564805
 ; Patent No. 633403
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavitrian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258

Query Match Score 19.0%; Score 470.4%; Score 470.4%;
 Best Local Similarity 99.8%; Pred. No. 1.5e-118;
 Matches 471; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Query 91 CGACCGCGCAAGGACCCGGCTGGGGACCTGGGACCTGGGACCCGG 150
 Db 1 CGACCGCGCAAGGACCCGGCTGGGGACCTGGGACCTGGGACCCGG 60
 Query 151 TGCCTCGGGCCAAAACCCGTGTACCTGCAAGCTGGTGGCGACGGGACTCG 210
 Db 61 TGCCTCGGGCCAAAACCCGTGTACCTGCAAGCTGGTGGCGACGGGACTCG 120
 Query 211 GGCGCGCGCTCTAGTCTCTCCGAGTCAACCGGTATCTCTCAACTGTGAGAACGC 270
 Db 121 GGCGCGCGCTCTAGTCTCTCCGAGTCAACCGGTATCTCTCAACTGTGAGAACGC 180
 Query 271 GTTCAGAGACTCATGAGGACACAGTAAGGTGCTGCCCTGAAACATATCTCG 330
 Db 181 GTTCAGAGACTCATGAGGACACAGTAAGGTGCTGCCCTGAAACATATCTCG 240
 Query 331 ACACGAATGACTGTGCTTAATGTGGATGATTCTACTTAAAGGA 390
 Db 241 ACACGAATGACTGTGCTTAATGTGGATGATTCTACTTAAAGGA 300
 Query 391 ACCGGGTCTCAAAGTGTACTTCTGGACCTCACAATCTGGAAAGCA 450
 Db 301 ACCGGGTCTCAAAGTGTACTTCTGGACCTCACAATCTGGAAAGCA 360
 Query 451 ATCAAATATTTCTGGTCCATTGAAAGGAATAGAACGGCTGCGCCACTCTGC 510
 Db 361 ATCAAATATTTCTGGTCCATTGAAAGGAATAGAACGGCTGCGCCACTCTGC 420

Query Match ; SEQ ID NO: 315 ; LENGTH: 238 ; TYPE: DNA ; ORGANISM: Homo sapiens US-09-328-111-315

Best Local Similarity 100.0% ; Pred. No. 4.6e-55; Score 217; DB 3; Length 238; Matches 23 ; Conservative 0; Mismatches 0; Indels 0; Gaps 0; RESULT 13 US-09-564-805-26

Qy 176 ACCCTCAGTGGTGGCAGGGGACTGGCGCTCTAAGCTTCTCG 235 ; Sequence 26, Application US/09564805

Db 1 ACCCTCAGTGGTGGCAGGGGACTGGCGCTCTAAGCTTCTCG 60 ; Patent No. 6333403

Db 121 AGTAAAGGTGCTGCCCTGACACATATTCTGACAGAAATGCACTGCTTAATGTTG 180 ; GENERAL INFORMATION: ; APPLICANT: Tavtigian, Sean V. ; APPLICANT: Teng, David H.F. ; APPLICANT: Simard, Jacques M. ; APPLICANT: Rommens, Johanna M. ; APPLICANT: Myriad Genetics, Inc. ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility ; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes ; FILE REFERENCE: 2318-258 ; CURRENT APPLICATION NUMBER: US/09/564,805

Qy 296 AGTAAAGGTGCTGCCCTGACACATATTCTGACAGAAATGCACTGCTTAATGTTG 355 ; CURRENT FILING DATE: 2000-05-05

Db 121 AGTAAAGGTGCTGCCCTGACACATATTCTGACAGAAATGCACTGCTTAATGTTG 180 ; PRIORITY APPLICATION NUMBER: US 60/107,468

Db 181 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 412 ; PRIORITY FILING DATE: 1998-11-06

Db 181 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; PRIORITY APPLICATION NUMBER: 09/434,382

Db 181 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; NUMBER OF SEQ ID NOS: 240

Db 181 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; SOFTWARE: Patentin Ver. 2.0

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; SEQ ID NO: 26

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; LENGTH: 145

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; TYPE: DNA

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; ORGANISM: Homo sapiens

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; FEATURE: misc_feature

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; NAME/KEY: (1) ; LOCATION: (1) ; OTHER INFORMATION: exon 23

US-09-564-805-26

Query Match ; SEQ ID NO: 27 ; Application US/09564805 ; Patent No. 6333403

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; GENERAL INFORMATION: ; APPLICANT: Tavtigian, Sean V. ; APPLICANT: Teng, David H.F. ; APPLICANT: Simard, Jacques M. ; APPLICANT: Rommens, Johanna M. ; APPLICANT: Myriad Genetics, Inc. ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility ; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes ; FILE REFERENCE: 2318-258 ; CURRENT APPLICATION NUMBER: US/09/564,805

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; CURRENT FILING DATE: 2000-05-05

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; PRIORITY APPLICATION NUMBER: US 60/107,468

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; PRIORITY FILING DATE: 1999-11-05

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; NUMBER OF SEQ ID NOS: 240

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; SOFTWARE: Patentin Ver. 2.0

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; SEQ ID NO: 27

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; LENGTH: 655

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; TYPE: DNA

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; ORGANISM: Homo sapiens

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; FEATURE: misc_feature

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; NAME/KEY: (1) ; LOCATION: (1) ; OTHER INFORMATION: exon 24

Db 121 GGGCTTAAGTGGATGATCTTACTTTAAGGAAACCCGGCTTCAAAAGTGTGTC 237 ; NAME/KEY: Polya.Signal ; LOCATION: (636)..(641)

US-09-564-805-27

Query Match ; SEQ ID NO: 228 ; LENGTH: 655; Score 228; DB 4; Length 655; Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0; RESULT 14 US-09-564-805-16

Qy 2254 GCTGCTTGGAGACTTCCACATGCCAAGCTTCCACTGAAAGCCCTGTT 2313 ; Sequence 16, Application US/09564805

Db 1 GCTGCTTGGAGACTTCCACATGCCAAGCTTCCACTGAAAGCCCTGTT 60 ; Patent No. 6333403

Db 1 GCTGCTTGGAGACTTCCACATGCCAAGCTTCCACTGAAAGCCCTGTT 60 ; GENERAL INFORMATION: ; APPLICANT: Tavtigian, Sean V. ; APPLICANT: Teng, David H.F. ; APPLICANT: Simard, Jacques M. ; APPLICANT: Rommens, Johanna M. ; APPLICANT: Myriad Genetics, Inc. ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility ; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes ; FILE REFERENCE: 2318-258 ; CURRENT APPLICATION NUMBER: US/09/564,805

Qy 2314 GCTGGGACATCGAGGAGATGCCAGGAGCTGGGAGCTGGCTGG 2373 ; CURRENT FILING DATE: 2000-05-05

Db 61 GCTGGGACATCGAGGAGATGCCAGGAGCTGGGAGCTGGCTGG 120 ; PRIORITY APPLICATION NUMBER: US 60/107,468

Qy 2374 GGGCCCTCTGTCAGGGAGCTGGCAGGGCTCTGGAGATGGGAGCTAGCAGAAG 2433 ; PRIORITY FILING DATE: 1998-11-06

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; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 199-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 16
; LENGTH: 139
; TYPE: DNA; Organism: Homo sapiens
; FEATURE: NAME/KEY: misc_feature
; LOCATION: (1)..(139)
; OTHER INFORMATION: exon 13
US-09-564-805-16

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Best Local Similarity 100.0%;  Pred. No. 1.9e-28;
Matches 139;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Db   1 GTTGGGGCTGACACCCAGACTTGCTCTGAATGAGAACTGAGCTTGCCCTAGTGTACAACCT 60
Qy  1140 TCGGAGCCCAAGAATTCAACGATTCACCCGCTGACCCATCACACCGAGATCTCCCTCTCT 1199
Db   61 TCGGAGCCCAAGAATTCAACGATTCACCCGCTGACCCATCACACCGAGATCTCCCTCTCT 120
Qy  1200 CACCAAGTTTCGGCTGAAG 1218
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RESULT 14
US-09-564-805-20
; Sequence 20, Application US/09564805
; Patent No. 6333103
; GENERAL INFORMATION:
; APPLICANT: Tavridian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Sinard, Jacques
; APPLICANT: Roumous, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 199-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 20
; LENGTH: 139
; TYPE: DNA
; Organism: Homo sapiens
; FEATURE: NAME/KEY: misc_feature
; LOCATION: (1)..(139)
; OTHER INFORMATION: exon 17
US-09-564-805-20

Query Match      5.6%;  Score 139;  DB 4;  Length 139;
Best Local Similarity 100.0%;  Pred. No. 1.9e-28;
Matches 139;  Conservative 0;  Mismatches 0;  Indels 0;  Gaps 0;
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Qy  1581 TTTGGAGAACCTGGAGGGTCTGGGACCTGGCTGAGGGCACATTGGGAGCTTGCTGGCTCA 1640
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ON nucleic - nucleic search, using sw model

Run on: August 10, 2004, 21:01:56 ; Search time 1083 Seconds
(without alignments)

11232.401 Million cell updates/sec

Title: US-09-434-382-1

Perfect score: 2481

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Scoring table: IDENTITY NUC GapOp 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues

Total number of hits satisfying chosen parameters: 6445838

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	2481	100.0	2958	10 US-09-988-625-3	Sequence 3, Appli
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6	2481	100.0	2958	10 US-09-988-686-3	Sequence 3, Appli
7	2455.4	99.0	2908	10 US-09-988-626-223	Sequence 223, App
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9	2442.6	98.5	2892	10 US-09-988-626-223	Sequence 225, App
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11	2442.6	98.5	2892	10 US-09-988-686-225	Sequence 225, App
12	2442.6	98.5	2892	10 US-10-988-626-225	Sequence 228, App
13	2349.7	94.7	2907	16 US-10-988-626A-225	Sequence 282, App
14	1645.6	66.3	2470	10 US-09-988-626-221	Sequence 221, App
15	1645.6	66.3	2470	10 US-09-988-686-221	Sequence 221, App
16	1645.6	66.3	2470	10 US-09-988-686-221	Sequence 2039, Ap
17	1734.8	29.6	783	9 US-09-988-381-2039	Sequence 2039, Ap
18	470.4	19.0	536	9 US-09-933-381-2039	Sequence 8996, Ap
19	432.8	17.4	554	10 US-09-918-995-8996	Sequence 210, App
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21	247.4	10.0	350	10 US-09-988-687-210	Sequence 210, App
22	247.4	10.0	350	10 US-09-988-386-210	Sequence 210, App
23	247.4	10.0	26664	10 US-09-988-326-28	Sequence 28, App1
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26	245	9.9	295	10 US-09-988-326-4	Sequence 4, Appli
27	245	9.9	295	10 US-09-988-687-4	Sequence 4, Appli
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29	237	9.6	655	10 US-09-988-326-27	Sequence 27, Appli
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35	145	5.8	139	10 US-09-988-626-16	Sequence 16, Appli
36	139	5.6	139	10 US-09-988-626-20	Sequence 20, Appli
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ALIGNMENTS

RESULT 1

US-09-988-626-1

; Sequence 1, Application US-09988626

; Publication No. US20030044959A1

; GENERAL INFORMATION:

; APPLICANT: Tvtigian, Sean V.

; APPLICANT: Teng, David H.F.

; APPLICANT: Simard, Johanna M.

; APPLICANT: Rommens, Jacobus M.

; APPLICANT: Myriad Genetics, Inc.

; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility Gene and a Paralog and Orthologous Genes

; FILE REFERENCE: 2318-258

; CURRENT APPLICATION NUMBER: US-09-988-626

; PRIOR APPLICATION NUMBER: 09/564,805

; PRIOR FILING DATE: 2000-05-05

; PRIOR APPLICATION NUMBER: US-60/107,468

; PRIOR FILING DATE: 1999-11-06

; NUMBER OF SEQ ID NOS: 240

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 1

; LENGTH: 2481

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)..(2478)

; US-09-988-626-1

Query Match Similarity 100.0%; Score 2481; DB 10; Length 2481;

Best Local Match 100.0%; Pre. No. 0;

Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	4.811	ATAGAACTGCTGTGGGCCCAACTCTGCCCAATAAGAGGTGAACCATGAACTT	540
Qy	5.411	TACCGATTCCTAACACTGAAAGAGGGAAACACCAACATGGAGTCC	600
Db	5.411	TACCGATTCCTAACACTGAAAGAGGGAAACACCAACATGGAGTCC	600
Qy	6.011	AAAAAGCCCTCTAGGAGCTCAGAGGCTCAAGGGATCTTCAAGACAGTCATGAAATA	660
Db	6.011	AAAAAGCCCTCTAGGAGCTCAGAGGCTCAAGGGATCTTCAAGACAGTCATGAAATA	660
Qy	6.611	GAGCCACACCTTCACATGATGTTAGCCAGAGAGGGTCAAGGACTCTCCCTGTC	720
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Qy	7.221	GTAGGTTCATCTGAAAGCTTCACTTAAGAGGAAACTTCTGGTCAAAGCAAG	780
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Db	7.811	GAGATGGCCCTCCAGTTGGACAGCTGGCATCCTCCATCATGTCGTCAAGGAC	840
Qy	8.411	GGGAAAGGATCACTCATGAGGAGAGGATTTGGCTGAAGAGCTGTTACTCCCTCA	900
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APPLICANT: Teng, David H.F.
 APPLICANT: Simard, Jacques
 APPLICANT: Rommens, Johanna M.
 APPLICANT: Myriad Genetics, Inc.
 TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility Gene and a Paralog and Orthologous Genes
 FILE REFERENCE: 2318-258
 CURRENT APPLICATION NUMBER: US/09/988,626
 CURRENT FILING DATE: 2001-11-20
 PRIOR APPLICATION NUMBER: 09/564,805
 PRIOR FILING DATE: 2000-05-05
 PRIOR APPLICATION NUMBER: US 60/107,468
 PRIOR FILING DATE: 1998-11-06
 PRIOR APPLICATION NUMBER: 09/434,382
 PRIOR FILING DATE: 1999-11-05
 NUMBER OF SEQ ID NOS: 240
 SOFTWARE: PatentIn Ver. 2.0
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 ORGANISM: Homo sapiens
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (51) .. (2531)
 OTHER INFORMATION: coding sequence as in SEQ ID NO:1
 S-09-988-626-3

Query Match Score 100.0%; Score 2481; DB 10; Length 2958;
 Best Local Similarity 100.0%; Pred. No. 0;
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b	111	ACATATCGCGGCAACCGCGCCGCGGAGGGCCCGAGGAGCGCCGCTGGCAGCTG 1
b	121	CGCAACCGAGGAAAGGGGAACGTTGGGTGCTGGGCGCCAAACACCGTGACCTG 1
b	171	CGACCGAGGAAAGGGGAACGTTGGGTGCTGGGCGCCAAACACCGTGACCTG 2
b	181	CAGGTGCTGGCAAGGGACTCCGGGACTCCGGGCTTCAGTCGGCTTCGGAGTTC 2
b	231	CAGGTGTTGGAGGGTAGCGGGACTCCGGGCTTCAGTCGGGCTTCGGAGTTC 2
b	241	ACCCGGTATCTTCAACTCTGAGGAGGGTTCAGAGACATCGAGGAGCACAGTTA 3
b	291	ACCCGGTATCTTCACTCTGAGGAGGGTTCAGAGACATCGAGGAGCACAGTTA 3
b	301	AAGGTGCTCCCTGACAACTATTCCTGACACGATGCTGGCTTAATGTTGGGGC 3
b	351	AAGGTGCTGCTGACAACTATTCCTGACACGATGCTGGCTTAATGTTGGGGC 4
b	361	TTAAGTGGAAATGATTCTACTTTAAGGAAACCGGGCTTCCAAGGTGTACTTTGGGA 4
b	411	TTAAGTGGAAATGATTCTACTTTAAGGAAACCGGGCTTCCAAGGTGTACTTTGGGA 4
b	421	CTCCGACAACTGAAAAAATACCTCGAGGCAATCAAATATTCTGGTCCATGTGAAAGGA 4
b	471	CTCCGACAACTGAAAAAATACCTCGAGGCAATCAAATATTCTGGTCCATGTGAAAGGA 5
b	481	ATAGAACTGGCTGTGGCCCCACTCTGCCCCAGAAATACGGGGATGAAACCATGACAGTT 5
b	531	ATAGAACTGGCTGTGGCCCCACTCTGCCCCAGAAATACGGGGATGAAACCATGACAGTT 5
b	541	TACCGATCCCATACAGTGAACAGGAGGGAAAGCACAACATGCGAGGTCCA 6
b	591	TACCGATCCCATACAGTGAACAGGAGGGAAAGCACAACATGCGAGGTCCA 6
b	601	GAAGGCCTCTGAGGGCTGATCCAGGGGATCTGAGCTCCAGGATCTGAGCTGAAAT 6

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Db	711	GAGGCAACCTTCCA ATCTGGTGTAGCCAGAGAAGGGTCAAGGACTCTTCAGCTTCGGGTC 770
Qy	721	GTACCTTCATCTGTAACCTTCACTTAAGAGAAGAACATCTGGGTCTAAAGGAAAG 830
Db	771	GTACCTTCATCTGTAACCTTCACTTAAGAGAAGAACATCTGGGTCTAAAGGAAAG 830
Qy	781	GAGHTGGGCTCCCATTTGGGACAGCTGGCCATGCCATGCCATGCCATGCCAGGAC 840
Db	831	GAGATGGGCTCCCACTGGGACAGCTGGCCATCTGGTCCATCTGGTCAAGGAC 890
Db	951	GATCTGGTGTGTTTGTGGTGTGTTTGTGGTGTGAAATGTCAGATGAGCTTCATCAACCCATC 1010
Qy	841	GGGAAAGAATCACTCATGAAGGAAGAGAGATTGGCTGAGAGGTGTACTCTCCA 900
Db	891	GGGAAAGGATCACTCATGAAGGAAGAGAGATTGGCTGAGAGGTGTACTCTCCA 950
Qy	901	GATCTGGTGTGTTTGTGGTGTGAAATGTCAGATGAAAGGTTCAACCCATC 960
Db	961	TGTGAGAATGCCACCTTCAAGGTACCAAGGAAGCCAGATGCCCGTGGCCTTGTG 1020
Qy	1011	TGTGAGAATGCCACCTTCAAGGTACCAAGGAAGCCAGATGCCCGTGGCCTTGTG 1070
Db	1021	GTTCACTGGCCCGACATCTGTGTTGTGGCAAGGTTACCGAGTGGATGGAGG 1080
Db	1071	GTTCACTGGCCCGACATCTGTGTTGTGGCAAGGTTACCGAGTGGATGGAGG 1130
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Db	1131	TTTGGCTGACCCACCTGGTGTGAAACTGTGCTGAGTGAACCTGCAACCTT 1190
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Db	1191	CGAGCCATAAGTTAAACCCGCTCAACCTCATACCCGGAACCTTCCCGTC 1250
Qy	1201	ACCGATTTCGGCTGTAAAGGAGGGCCACCCCTAGTGTGCCCCATGGTCAAGGTGAA 1260
Db	1251	ACCGATTTCGGCTGTAAAGGAGGGCCACCCCTAGTGTGCCCCATGGTCAAGGTGAA 1310
Qy	1261	TGCCTCCCTGAACTACACGCTCGTCCAGGGGGATGGGATGCCATTATACT 1320
Db	1311	TGCCTCCCTGAACTACACGCTCGTCCAGGGGGATGGGATGCCATTATACT 1370
Qy	1321	TGCAATCTGGAAATTCATAGTTGAGGCTGCTGAGTTCCCAAACCTCCAGAGCGTGTG 1380
Db	1371	TGCAATCTGGAAATTCATAGTTGAGGCTGCTGAGTTCCCAAACCTCCAGAGCGTGTG 1430
Qy	1381	CAGGAGTACAGGGAGTGTGCAAGGACGGGCTGCACTGGGCTGCACTGGGCTGCA 1440
Db	1431	CAGGAGTACAGGGAGTGTGCAAGGACGGGCTGCACTGGGCTGCACTGGGCTGCA 1490
Qy	1441	CCAGAAATCATCTCTGGACAGGACGGGCTGCACTGGGCTGCACTGGGCTGCA 1500
Db	1491	CCAGAAATCATCTCTGGACAGGACGGGCTGCACTGGGCTGCACTGGGCTGCA 1550
Qy	1501	GCCACACTGTGCAACATAAGGCCGAGCGTCTGTTACTGGACTGTGTGAGGCCACA 1560
Db	1551	GCCACACTGTGCAACATAAGGCCGAGCGTCTGTTACTGGACTGTGTGAGGCCACA 1610
Qy	1561	TTTGGCAAGCTGTGCGTCAATTACGGAGACCGGTGACAGGGTCTGGGACCTGGGT 1620
Db	1611	TTTGGCAAGCTGTGCGTCAATTACGGAGACCGGTGACAGGGTCTGGGACCTGGGT 1670
Qy	1621	GCTGTTTGTGTCACCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTG 1680
Db	1671	GCTGTTTGTGTCACCTGCACTGCACTGCACTGCACTGCACTGCACTGCACTG 1730
Qy	1681	CAGGAGAACGGCCCTTGGCAAGGCCCTTACCCCTTGTGCGGTTGTGCC 1740
Db	1731	CAGGAGAACGGCCCTTGGCAAGGCCCTTACCCCTTGTGCGGTTGTGCC 1790

Qy	841	GGAAAAGCATCACTATGAGGAAAGAAATTTCGGTAAAGAGCTGTTGACATGAACTCTGGCTGACACCTCTGGCTGAAA	900	1980	1921	CTGGTGGGCACTGCAAGCATGGTTCGTTGGCTGCTGGCTGACACCTCTGGCTGAAA	1980	
Db	891	GGAAAAGCATCACTATGAGGAAAGAAATTTCGGTAAAGAGCTGTTGACATGAACTCTGGCTGAAA	950		Db	1971	CTGGTGGGCACTGCAAGCATGGTTCGTTGGCTGCTGGCTGACACCTCTGGCTGAAA	2030
Qy	901	GATCCCGTGTGCGCTTGGCTGAAATGTCAGATAAAGGTTCAATTCAACCCATC	960		Qy	1981	CTGGTGTATTGGGGCACCATGCCCCGAGGGCTGCTGGCTGACACCTCTGGCTGAC	2040
Db	951	GATCCCGTGTGCGCTTGGCTGAAATGTCAGATAAAGGTTCAATTCAACCCATC	1010		Db	2031	CTGGTGTATTGGGGCACCATGCCCCGAGGGCTGCTGGCTGACACCTCTGGCTGAC	2090
Qy	961	TGTGAGATGCCACCTTCAAGGTACCAAGAAAGGAAATGCCCGGCTTGTGAA	1020		Qy	2041	ACCTCTCTGATACATGAGGCCACCCCTGAGACATGGTTGAAAGAGGAGCTGAAAG	2100
Db	1011	TGTGAGATGCCACCTTCAAGGTACCAAGAAAGGAAATGCCCGGCTTGTGAA	1070		Db	2091	ACCTCTCTGATACATGAGGCCACCCCTGAGACATGGTTGAAAGAGGAGCTGAAAG	2150
Qy	1021	GTTCATCATGGCCCGAGCAATTCTGCTGAAAGGTTACCAAGTGGTATGAGAGG	1080		Qy	2101	ACACACAGCACACGTCACAGTCACCCAAAGCCATAGCCAAAGGATGAACTGGGAT	2160
Db	1071	GTTCATCATGGCCCGAGCAATTCTGCTGAAAGGTTACCAAGTGGTATGAGAGG	1130		Db	2151	ATGCTGAACTCTACCCAGGCTTCAAGGCTGAAAGGTTGGGATGAACTGGGAT	2210
Qy	1081	TTTGGGCTGACACCCAGCACTTGTGAAACTGTTGCTCACTTCAACACCTT	1140		Qy	2161	ATGCTGAACTCTACCCAGGCTTCAAGGCTGAAAGGTTGGGATGAACTGGGAT	2220
Db	1131	TTTGGGCTGACACCCAGCACTTGTGAAACTGTTGCTCAAGTCAACCTT	1190		Db	2211	ATGCTGAACTCTACCCAGGCTTCAAGGCTGAAAGGTTGGGATGAACTGGGAT	2270
Qy	1141	CCAGGCCACAGATTCAACCGTCACACTCATCCACCCGGACATCTCCCCCTGTC	1200		Qy	2221	GAGAAACTGGGAGTTGGCTTGTACCATGAGGGCTGCTTGGAGATTCACATAG	2280
Db	1191	CCAGGCCACAGATTCAACCTCACTCCACCCGGACATCTCCCCCTGTC	1250		Db	2271	GAGAAAGTGGGAGTTGGCTTGTACCATGAGGGCTGCTTGGAGATTCACATAG	2330
Qy	1201	ACAGTTTCGGTGTGAAAGGAGCCACCCCTAGTGCCCATGGTTCAGGGTGA	1260		Qy	2281	CCAAAGGTGATTCCTCCACCTGAAAGGCTGCTTGGCTGACATGAGGGATGAGGAG	2340
Db	1251	ACAGTTTCGGTGTGAAAGGAGCCACCCCTAGTGCCCATGGTTCAGGGTGA	1310		Db	2331	CCAAAGGTGATTCCTCCACCTGAAAGGCTGCTTGGCTGACATGAGGGATGAGGAG	2390
Qy	1261	TGCCCTCTCAAGTACCAAGCTGGTCCAGGGAGATGGCAGAGGGATGCCATTACT	1320		Qy	2341	CCGAGGGAGAACGGGGCTGGCGAGCTGGCCCTCCCTGTCACGGAGCTGCGCA	2400
Db	1311	TGCCCTCTCAAGTACCAAGCTGGTCCAGGGAGATGGCAGAGGGATGCCATTACT	1370		Db	2391	CCGAGGGAGAACGGGGCTGGCGAGCTGGCCCTCCCTGTCACGGAGCTGCGCA	2450
Qy	1321	TGCAATCTGAGGAATTCAATGTTGAGGGCTGCACTTCCACATCCAGAGGCTG	1380		Qy	2401	GCGGCTGGAGATGGGAGCTGAGGCTCAGAGGCGCCACACAGAGGAGCCACAGG	2460
Db	1371	TGCAATCTGAGGAATTCAATGTTGAGGGCTGCACTTCCACATCCAGAGGCTG	1430		Db	2451	GCGGCTGGAGATGGGAGCTGAGGCTCAGAGGCGCCACACAGAGGAGCCACAGG	2510
Qy	1381	CAGGATTAACAGAGGAGTGGCAGGACGGCCAGCCCACAGAGAAAGTCAGTAC	1440		Qy	2461	AAGAAGGTCAAGGCCAGCTGA	2481
Db	1431	CAGGATTAACAGAGGAGTGGCAGGACGGCCAGCCCACAGAGAAAGTCAGTAC	1490		Db	2511	AAGAAGGTCAAGGCCAGCTGA	2531
Qy	1441	CCAGAAATCATCTCTTGTGACAGGGCTGTCATCCGGTGAAGATGGAAATGTCAT	1500	RESULT 6				
Db	1491	CCAGAAATCATCTCTTGTGACAGGGCTGTCATCCGGTGAAGATGGAAATGTCAT	1550		Qy	09-988-686-3		
Qy	1501	GCACACATTGCAACATAAGGCCGACACGCTCTGCTACTGGACTGGTGGAGGCA	1560		Db	US-09-988-686-3		
Db	1551	GCACACATTGCAACATAAGGCCGACACGCTCTGCTACTGGACTGGTGGAGGCA	1610		Qy	Sequene 3, Application US/09886686		
Qy	1561	TTGGGGAGCTGTGGCTCATTTGGAGAACGGTGGACAGGGCTCTGGCACCTGGCT	1620		Db	Publication No. US20030120032A1		
Db	1611	TTGGGGAGCTGTGGCTCATTTGGAGAACGGTGGACAGGGCTCTGGCACCTGGCT	1670		Qy	GENE INFORMATION:		
Qy	1621	GCTGCTGGTGTGTTGCTTCCACCTGCACTGGAGTCAAGTATCTTGTG	1680		Db	APPLICANT: Tavtigan, Sean V.		
Db	1671	GCTGCTGGTGTGTTGCTTCCACCTGCACTGGAGTCAAGTATCTTGTG	1730		Db	APPLICANT: Teng, David H. F.		
Qy	1681	CAGAGAAAGCTCAAAGCTGCTTGGGAAAGGCCCTAACCTGGTGGTGGTGGCT	1740		Qy	APPLICANT: Simard, Jacques		
Db	1731	CAGAGAAAGCTGCTTGGGAAAGGCCCTAACCTGGTGGTGGTGGCT	1790		Db	APPLICANT: Rommens, Johanna M.		
Qy	1741	CCAAACAGCTCAAAGCTGCTTGGGAAAGGCCCTAACCTGGTGGTGGCT	1800		Db	APPLICANT: Myriad Genetics, Inc.		
Db	1791	CCAAACAGCTCAAAGCTGCTTGGGAAAGGCCCTAACCTGGTGGTGGCT	1850		Db	PRIOR APPLICATION NUMBER: 09/1564-805		
Qy	1801	CACATCAGTATGATTCTGCTTCAAGCTGCTTGGGAAAGGAGTTCAGTCAGTCC	1860		Db	PRIOR FILING DATE: 2000-05-05		
Db	1851	CACATCAGTATGATTCTGCTTCAAGCTGCTTGGGAAAGGAGTTCAGTCAGTCC	1910		Db	PRIOR APPLICATION NUMBER: US 60/107,468		
Qy	1861	GTGGAAAGATGATCAGTTGCTGTGCAACATGTTGAAAGAGTTCAGACCTGT	1920		Db	PRIOR FILING DATE: 1998-11-06		
Db	1911	GTGGAAAGATGATCAGTTGCTGTGCAACATGTTGAAAGAGTTCAGACCTGT	1970		Db	PRIOR APPLICATION NUMBER: 09/434,382		
					Db	PRIOR FILING DATE: 1999-11-05		
					SEQ ID NO: 3			
					TYPE: DNA			
					ORGANISM: Homo sapiens			
					FEATURE: misc_feature			
					LOCATION: (51)- (2531)			
					OTHER INFORMATION: coding sequence as in SEQ ID NO:1			
					US-09-988-686-3			

Query	Match	Score	DB	Length	2958;
Best Local Similarity	100.0%;	Score 2481;	DB 10;	Length 2958;	
Local Similarity	100.0%;	Pred. No. 0;	Indels 0;	Gaps 0;	
Matches	2481;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
2y	1	ATGTCGGCCCTTTCCTGCTGGGTCGGGTCGGGCGGAAAGGACCATGTCGGAACTCGC 60	Db	Db	Qy
Db	51	ATGTCGGCCCTTTCCTGCTGGGTCGGGCGGAAAGGACCATGTCGGAACTCGC 110	Db	Db	Qy
2y	61	ACCATATCCAGGAACCGGACCCGGCCGAGGCGGCGGAAAGGACCCGGTGGGCACTG 120	Db	Db	Qy
Db	111	ACCATATCCAGGAACCGGACCCGGCCGAGGCGGCGGAAAGGACCCGGTGGGCACTG 170	Db	Db	Qy
2y	121	CGAACGGCAACAGATTAACCGGAACTTCAACCCAGTCAACCTCATCCACGGAACTC 180	Db	Db	Qy
Db	171	CGAACGGCAACAGATTAACCGGAACTTCAACCCAGTCAACCTCATCCACGGAACTC 230	Db	Db	Qy
181	CAGATGCGGGCAAGGGGACTGGCCGGACTGGCCGGCTGGCCGGCTGGCCGGCTGG 240	Db	Db	Qy	
231	CAGGTGGTGGCAGGGGACTGGGGTGGCCGGACTGGGGCCGGCTGGGGCCGGCTGG 290	Db	Db	Qy	
241	AACCGGTATCTCTCAACTCTGTTGAAAGCGTTCAGAGACTCTATGCAAGGAACTT 300	Db	Db	Qy	
291	AACCGGTATCTCTCAACTCTGTTGAAAGCGTTCAGAGACTCTATGCAAGGAACTT 350	Db	Db	Qy	
301	AAGGTTGCTGCTGGACACATATTCTGACAGGAACTCTGCTTAAGTGTGTACTTTCTGG 360	Db	Db	Qy	
351	AAGGTTGCTGCTGGACACATATTCTGACAGGAACTCTGCTTAATGTGGGGC 410	Db	Db	Qy	
361	TTAAGTGGAAATGATTCTTACTTTAAAGGAAACCGGGTTCACAAAGTGTGTACTTTCTGG 420	Db	Db	Qy	
411	TTAAGTGGAAATGATTCTTACTTTAAAGGAAACCGGGTTCACAAAGTGTGTACTTTCTGG 470	Db	Db	Qy	
4221	CCTCCACACACTGGAAAAAAATACCTGAAAGGAAATCAAAATTTTCTGTCATATGAAAGG 480	Db	Db	Qy	
4711	CCTCCACACACTGGAAAAAAATACCTGAAAGGAAATCAAAATTTTCTGTCATATGAAAGG 530	Db	Db	Qy	
481	ATAGAACTGGCTGGGGCCCACTCTGGCCCGAAATAAGGGATGAAACCAATGACACTT 540	Db	Db	Qy	
5311	ATAGAACTGGCTGGGGCCCACTCTGGCCCGAAATAAGGGATGAAACCAATGACACTT 590	Db	Db	Qy	
541	TACAGATCCCATAACACTGAAAGGAGGCACTGGCCGAGSTCA 600	Db	Db	Qy	
591	TACAGATCCCATAACACTGAAAGGAGGCACTGGCCGAGSTCA 650	Db	Db	Qy	
601	GAAGGGCCCTCTCAGGAGGCTCACTGAAAGGAGGCACTGGCCGAGSTCA 660	Db	Db	Qy	
651	GAAGGGCCCTCTCAGGAGGCTCACTGAAAGGAGGCACTGGCCGAGSTCA 710	Db	Db	Qy	
661	GAGGCCACCCCTCCACATGCTGGTTAGCCAGAGAACGGGACTCTTCCCTGGTC 720	Db	Db	Qy	
711	GAGGCCACCCCTCCACATGCTGGTTAGCCAGAGAACGGGACTCTTCCCTGGTC 770	Db	Db	Qy	
721	GTAGCTTTCATCTGTAAGCTTCACTTAAGAGGAAACCTTCCTGGTCAAAGCAAG 780	Db	Db	Qy	
771	GTAGCTTTCATCTGTAAGCTTCACTTAAGAGGAAACCTTCCTGGTCAAAGCAAG 830	Db	Db	Qy	
781	GAGATGGCCCTCCAGTTGGACAGTGTGCAATGTCCTCCATCATGGTGTGTAAGGAC 840	Db	Db	Qy	
831	GAGATGGCCCTCCAGTTGGACAGTGTGCAATGTCCTCCATCATGGTGTGTAAGGAC 890	Db	Db	Qy	
841	GGGAAAAGCATCACTCATGAGGAGGAGATTGGCTGAAAGGCTGTTACTCTCCA 900	Db	Db	Qy	
891	GGGAAAAGCATCACTCATGAGGAGGAGATTGGCTGAAAGGCTGTTACTCTCCA 950	Db	Db	Qy	
901	GATCCCTGGTGGCTGCTTGTGCTGGTGAATGTCAGGATGAAAGCTTCAACCCATC 960	Db	Db	Qy	
951	GATCCCTGGTGGCTGCTTGTGCTGGTGAATGTCAGGATGAAAGCTTCAACCCATC 1010	Db	Db	Qy	
961	TGTGAGATGGCCACCTTCAAGGGTACCAAGGAAGGCAATGGCCCTGGCTGG 1020	Db	Db	Qy	
1011	TGTGAGATGGCCACCTTCAAGGGTACCAAGGAAGGCAATGGCCCTGGCTGG 1070	Db	Db	Qy	
2031	GTGGCTTATTCGGGCACTTCAACCTGCTGGCTGGCTGGCTGGCTGGCTGG 2090	Db	Db	Qy	
2041	ACCCCTCTGATACATGAAAGCCACCTGGGATGCTGCTGGCTGGCTGGCTGG 2100	Db	Db	Qy	
2091	ACCCCTCTGATACATGAAAGCCACCTGGGATGCTGCTGGCTGGCTGGCTGG 2150	Db	Db	Qy	
2101	ACACACAGGCAAACTCCCTAACAGGCAATCACCGTGGGATGTCACCGTGG 2160	Db	Db	Qy	

Db	2151	ACACAGCACACGTCAGCCAAAGCCATAGCCATGGGGATGGGATGTTCAATT	2210	Db	121	CGAACGGAGAGAACGGGACCGGGCTGGCTGGGGACTAGCGGCGCCAAACCGGTACCTG	180
Qy	2161	ATGCTAACACTTCAGCCAGGCPATGCCAGGCCCCCTCTCAAGCCAACTTCAGC	2220	Qy	181	CGGGGGGGACTAGCGGCGCTACCTTCCGGCTAAGGCTTCTGGGTT	240
Db	2211	ATGCTAACACTTCAGCCAGGCPATGCCAGGCCCCCTCTCAAGCCAACTTCAGC	2270	Db	181	CGGGGGGGACTAGCGGCGCTACCTTCCGGCTAAGGCTTCTGGGTT	240
Qy	2221	GAGAAGTGGAGTGCCTTGACCACATAAGGTCTGGACTTCCACAACTG	2280	Qy	241	AACCGGATATCTTCAACTCTGGAGAAGGGCTTCAGAGCTTCATGGAGGACACAGTT	300
Db	2271	GAGAAGTGGAGTGCCTTGACCACATAAGGTCTGGACTTCCACAACTG	2330	Db	241	AACCGGATATCTTCAACTCTGGAGAAGGGCTTCAGAGCTTCATGGAGGACACAGTT	300
Qy	2281	CCAAAGCTGATTCCCCCACGTAAAGGCCCTGGGACATCGAGGAGTGGAGG	2340	Qy	301	AAGGTTCTCGGCTGACTGGCTTAACTGGGACTGGCTTAACTGGTGGGGC	360
Db	2331	CCAAAGCTGATTCCCCCACGTAAAGGCCCTGGGACATCGAGGAGTGGAGG	2390	Db	301	AAGGTTCTCGGCTGACGACATATCTGACAGAACTGCTAATGTTGGGGC	360
Qy	2341	CCAGGGAGAGGGAGCTGGGGAGCTGGGGAGCTGGGGCTCCCTGTCAGGCTGCCA	2400	Qy	361	TTAAGTGGAACTGATTCTTACTTTAAAGGAACCGGGCTTCAAAGTGTGACTCTGGA	420
Db	2391	CCAGGGAGAGGGAGCTGGGGAGCTGGGGAGCTGGGGCTCCCTGTCAGGCTGCCA	2450	Db	361	TTAAGTGGAACTGATTCTTACTTTAAAGGAACCGGGCTTCAAAGTGTGACTCTGGA	420
Qy	2401	GGGGGCTGGAGATGGGGCCTAGCAGAAAGGGGGCCACACAGAGGCCACAGGCC	2460	Qy	421	CCTCCAAACCTGAAAATACTCGAAGCAATCAAAATACTCTGGCCACTCTGCCCACT	480
Db	2451	GGGGGCTGGAGATGGGGCCTAGCAGAAAGGGGGCCACACAGAGGCCACAGGCC	2510	Db	421	CCTCCAAACCTGAAAATACTCTGCCAAGGCAATCAAAATACTCTGGCCACTCTGCCA	480
Qy	2461	AAGAAGTCTACAGCCCTAGTAA	2481	Qy	481	ATAGAACTGGCTGTGGGCCACTCTGCCCACTGCCCCAGATAACAGGATGAACCATGAGTT	540
Db	2511	AAGAAGTCTACAGCCCTAGTAA	2531	Db	481	ATAGAACTGGCTGTGGGCCACTCTGCCCACTGCCCCAGATAACAGGATGAACCATGAGTT	540
Qy				Qy	541	TACCAGATCCCACATACAGTAAAGAGGAGGGAAAGGCCACATGGCAGAGTCCA	600
Db				Db	541	TACCAGATCCCACATACAGTAAAGAGGAGGGAAAGGCCACATGGCAGAGTCCA	600
Qy				Qy	601	GAAGGGCTCTCAGGGCTCAGTCCAGGGGATCTCAGACTCCGAGTCAAGTGAATAAT	660
Db				Db	601	GAAGGGCTCTCAGGGCTCAGTCCAGGGGATCTCAGACTCCGAGTCAAGTGAATAAT	660
Qy				Qy	661	GAGCCACACCTTCCCATGTTAGCCAGAGGAGGGCTCAGGACTCTTCCCTGTC	720
Db				Db	661	GAGCCACACCTTCCCATGTTAGCCAGAGGAGGGCTCAGGACTCTTCCCTGTC	720
Qy				Qy	721	GTAGCTTCACTCTGTAAGCTCACTTAAGAGGAAACTCTCTGGCTCAAGCAAG	780
Db				Db	721	GTAGCTTCACTCTGTAAGCTCACTTAAGAGGAAACTCTCTGGCTCAAGCAAG	780
Qy				Qy	781	GAGATGGCTCCAGTGGAGCTGGCATCTCCCATCATTTGGCTCAAGGAC	840
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Qy				Qy	841	GGGAAAAGCATCACTCATGAAGGAGGAGATACTGGCTCAAGGCTGACTCCNCA	900
Db				Db	841	GGGAAAAGCATCACTCATGAAGGAGGAGATACTGGCTCAAGGCTGACTCCNCA	900
Qy				Qy	901	GATCCCTGGCTCTGCTGCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	960
Db				Db	901	GATCCCTGGCTCTGCTGCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	960
Qy				Qy	961	TGTGAAATGCCACCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	1020
Db				Db	961	TGTGAAATGCCACCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	1020
Qy				Qy	1021	GTTCACTGCCCCAGCATCTGTCGCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	1080
Db				Db	1021	GTTCACTGCCCCAGCATCTGTCGCTTGTGGTAGATGTCAGGAACTGCTTCAACCCATC	1080
Qy	1	ATGTCGGCCCTTCTCGTCGGCTGGCCGGCGAACGGACCCGCTGGGACCTG	60	Qy	1081	TTCGGCTCTGACACCCGACCTGGCTCTGGCTGAATGAGACTGTCGCTTCAACCCATC	1140
Db	1	ATGTCGGCCCTTCTCGTCGGCTGGCCGGCGAACGGACCCGCTGGGACCTG	60	Db	1081	TTCGGCTCTGACACCCGACCTGGCTCTGGCTGAATGAGACTGTCGCTTCAACCCATC	1140
Qy	61	ACCATATGCCAGGACCCGCCCGCGCGAACGGACCCGCTGGGACCTG	120	Qy	1141	CGGAGCCAGGAACTCAACCCGACCTTCGCCCTGACACTTCGCCCTGCTC	1200
Db	61	ACCATATGCCAGGACCCGCCCGCGAACGGACCCGCTGGGACCTG	120	Db	1141	CGGAGCCAGGAACTCAACCCGACCTTCGCCCTGACACTTCGCCCTGCTC	1200
Qy	121	CGCACGGAGAGAACGGGGACCGGGACGGGGACCCCTCGAGTGGCTGACGGTAA	1260	Qy	1201	ACCAAGTTCCGGCTGTAAGAAGGGCCCAACCCCTCGAGTGGCTGACGGTAA	1260

1201 ACCAGTTCCCTGTAAGGGGGCCACCCCTCAAGTGTCCATGGGAGA 1260
 1261 TGCCTCTCAAGTACCTGGTCCACGGGAGTGCAGGGATGCCATTACT 1320
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 Db 2461 AAGAAGTCAAGGCCCTACAGAGGGACAGGCCACAGAGGGACAGGCC 2481
 Result 8
 US-09-988-687-223
 ; Sequence 223, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavirgin, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques S.
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 233-8
 ; CURRENT APPLICATION NUMBER: US/09/988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIORITY APPLICATION NUMBER: US/09/988,687
 ; PRIORITY FILING DATE: 2000-05-05
 ; PRIORITY APPLICATION NUMBER: US/09/107,468
 ; PRIORITY FILING DATE: 1998-11-06
 ; PRIORITY APPLICATION NUMBER: US/09/434,382
 ; PRIORITY FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO: 223
 ; LENGTH: 2908
 ; TYPE: DNA
 ; ORGANISM: Pan troglodytes
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1) .. (2478)
 ; US-09-988-687-223
 Query Match 99.0%; Score 2455.4;
 Best Local Similarity 99.4%; Prod. No. 0;
 Matches 2465; Mismatches 0; Gaps 0;
 Db 1 ATGGGGGCTTTCTCGCTGCTGGCTCGGCAGCGACATATGTCGCAAGGCC 60
 1 ATGGGGCCTTTCTCGCTGCTGGCTCGGCAGCGACATATGTCGCAAGGCC 60
 Qy 1 ACCATATCGAGGAACCCCGCCGCGAGGGCCAGGACCCGCTGGCAACCTG 120
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 121 CGCAAGGGAGAGAGGGGGACGCTGGGGCTCGGGGGCCAAACACCGTGTACCTG 180
 121 CGCAAGGGAGAGAGGGGGACGCTGGGGCTCGGGGGCCAAACACCGTGTACCTG 180
 121 AACCGTATCTCTTCAACTGTGGAGAGGTTCAACATGAGACTCATGAGCTTA 300
 241 AACCGTATCTCTTCAACTGTGGAGAGGTTCAACATGAGACTCATGAGCTTA 300
 Db 1 ATGGGTGCTGGCCTGCTGAGCTGGGAGCTGGGGCTTGCGGGCTTGCGGGCT 240
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 Qy 181 CAGGTGGCTGGCAGGGTAGCGGGACTGGGGCTTGCGGGCTTGCGGGCT 240
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 241 AACCGTATCTCTTCAACTGTGGAGAGGTTCAACATGAGACTCATGAGCTTA 300
 241 AACCGTATCTCTTCAACTGTGGAGAGGTTCAACATGAGACTCATGAGCTTA 300
 Db 301 AACCGTATCTCTTCAACTGTGGAGAGGCTCATGAGCTTAACATGAGCTTA 360
 Qy 301 AACCGTATCTCTTCAACTGTGGAGAGGCTCATGAGCTTAACATGAGCTTA 360

361	TTAAGTGGAAATGATTCTTAACTTTAAGGAACCGGGCTTCCAAAGTGTGFACTTTCTGGA	420	Qy	1441	CCAGAAATCATCTTCCCTGGACATCCCGATGAAAGATTCGAAATGTCAGT	1500	
361	TTAAGTGGAAATGATTCTTAACTTTAAGGAACCGGGCTTCCAAAGTGTGFACTTTCTGGA	420	Db	1441	CCAGAAATCATCTTCCCTGGACATCCCGATGAAAGATTCGAAATGTCAGT	1500	
Qy	421	CCTCCACAACTGCGAAAATACTCTGAGCATCATAAATTTCTGGTCATTGAAAGGA	480	Qy	1501	CCACACTCTGTGACATAAAGCCCGAACGCTCTCTGCTCTGACTGTTGGTGGACCA	1560
Db	421	CCTCCACAACTGCGAAAATACTCTGAGCATCATAAATTTCTGGTCATTGAAAGGA	480	Db	1501	CCACACTCTGTGACATAAAGCCCGAACGCTCTCTGCTCTGACTGTTGGTGGACCA	1560
Qy	481	ATAGAACTGCTGTGCGCCCAACTCTGCCAGCATCAGATAACAGATGAAACAGTT	540	Qy	1561	TITGGGAGCTGTGCCCTAATTAGAGACAGGGTGGACGGGACCTGGT	1620
Db	481	ATAGAACTGCTGTGCGCCCAACTCTGCCAGCATCAGATAACAGATGAAACAGTT	540	Db	1561	TITGGGAGCTGTGCCCTAATTAGAGACAGGGTGGACGGGACCTGGT	1620
Qy	541	TACCAAGATCCCATAACAGTGTGAAACGAGAACCCATGGCAGAGTCCA	600	Qy	1680	CTGGACTGAGCTGTTGCTCCACCTGACGAGATACCAAGCTGCTGCTG	1680
Db	541	TACCAAGATCCCATAACAGTGTGAAACGAGAACCCATGGCAGAGTCCA	600	Db	1680	CTGGACTGAGCTGTTGCTCCACCTGACGAGATACCAAGCTGCTGCTG	1680
Qy	601	GAAGGGCTCTCAACGGGCTAGTCAGACGGGATCTTCACAGTGTGAAAGAAAT	660	Qy	1681	CAGAGAAACGCTCCAGAAACGCTGACTCCAGACASTACCAACCAAGTGCAGGAGT	1740
Db	601	GAAGGGCTCTCAACGGGCTAGTCAGACGGGATCTTCACAGTGTGAAAGAAAT	660	Db	1681	CAGAGAAACGCTCCAGAAACGCTGACTCCAGACASTACCAACCAAGTGCAGGAGT	1740
Qy	661	GAGCCACACCTTCAACATGGCTTACGCCAGAGAAGGGCTCAGGGACTCTCCCTGGTC	720	Qy	1740	CCCAACCGCTCAACAGCTGACTCCAGACAGTGTGAAAGCTGCTGCTG	1800
Db	661	GAGCCACACCTTCAACATGGCTTACGCCAGAGAAGGGCTCAGGGACTCTCCCTGGTC	720	Db	1741	CCCAACCGCTCAACAGCTGACTCCAGACAGTGTGAAAGCTGCTGCTG	1800
Qy	721	GTAGCTTCACTCTGAGCTCACTAAAGAGAAACTCTGGTGTCAAGCAAG	780	Qy	1801	CACATCGTGTGATGTTGCTCCAGCTGCTGAGATCTCCAGTCAGTCTGCGA	1860
Db	721	GTAGCTTCACTCTGAGCTCACTAAAGAGAAACTCTGGTGTCAAGCAAG	780	Db	1801	CACATCGTGTGATGTTGCTCCAGCTGCTGAGATCTCCAGTCAGTCTGCGA	1860
Qy	781	GAGATGGCTCCAACTTGGGACAGTGGCATGTCGTTCAATTGCTGTGAAAGAC	840	Qy	1861	GTGGAAAGATGATGATGTTGGCTGAGCTGACACTCTGGAGAGTTCAGACCTGT	1920
Db	781	GAGATGGCTCCAACTTGGGACAGTGGCATGTCGTTCAATTGCTGTGAAAGAC	840	Db	1861	GTGGAAAGATGATGATGTTGGCTGAGCTGACACTCTGGAGAGTTCAGACCTGT	1920
Qy	841	GGAAAGAGCATCACTCATGAGGGAGAGGATTTGGCTGAAGAGCTCTCCCTCA	900	Qy	1921	CTGGTGGGACTCTGGCATGACCTGGCTTGGCTGAGCTGACACTCTGGTGGAA	1980
Db	841	GGAAAGAGCATCACTCATGAGGGAGAGGATTTGGCTGAAGAGCTCTCCCTCA	900	Db	1921	CTGGTGGGACTCTGGCATGACCTGGCTTGGCTGAGCTGACACTCTGGTGGAA	1980
Qy	901	GATCCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	960	Qy	1981	GTGGCTTATTCCGGGACACCATGCTGGAGGGCTCTGGATGGGAAGAGTGGC	2040
Db	901	GATCCCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	960	Db	1981	GTGGCTTATTCCGGGACACCATGCTGGAGGGCTCTGGATGGGAAGAGTGGC	2040
Qy	961	TGTGAAATGSCACCTTCTGGCTTACCAAGCATGCCAAAGCCTGGCTG	1020	Qy	2041	ACCCCTCTGATACATGAAAGCACCCTGGAGATGTTGAAAGGGAGCAGCTGAAAG	2100
Db	961	TGTGAAATGSCACCTTCTGGCTTACCAAGCATGCCAAAGCCTGGCTG	1020	Db	2041	ACCCCTCTGATACATGAAAGCACCCTGGAGATGACCTTGGAGACGCTTGGAAAG	2100
Qy	1021	GTTCATGGCCCGCATGTCGAGCTGGAGCATGCCAAAGCCTGGCTG	1080	Qy	2101	ACACAGCAACACGCTCCAGCCATGTCGAGCTGGATGGCTGAACTGGCTTCTG	2160
Db	1021	GTTCATGGCCCGCATGTCGAGCTGGAGCATGCCAAAGCCTGGCTG	1080	Db	2101	ACACAGCAACACGCTCCAGCCAGCATGTCGAGCTGGATGGCTGAACTGGCTTCTG	2160
Qy	1081	TTTGGCCCTGACCCAGACTCTGGTGTGAAATGAGAACTGTCGCTGAAACCTT	1140	Qy	2161	ATGCTGAACCACTTGGAGGTTGCTTGGCTGAGCTGAACTGGCTTCTG	2280
Db	1081	TTTGGCCCTGACCCAGACTCTGGTGTGAAATGAGAACTGTCGCTGAAACCTT	1140	Db	2161	ATGCTGAACCACTTGGAGGTTGCTTGGCTGAGCTGAACTGGCTTCTG	2280
Qy	1141	CGACGCCACAAAGATCAAACCCAGCTCATCCACCGGACATCTTCCCGCTC	1200	Qy	2221	GAGAAAGTGGAGTTGCTTGGCTGACATGAACTGGCTTCTGCAACATG	2280
Db	1141	CGACGCCACAAAGATCAAACCCAGCTCATCCACCGGACATCTTCCCGCTC	1200	Db	2221	GAGAAAGTGGAGTTGCTTGGCTGACATGAACTGGCTTCTGCAACATG	2280
Qy	1201	ACCAAGTTCCGCTGTAAGAAGGGAGCCCOACCTCTGGTGCCTGAGGGTGA	1260	Qy	2281	CCCAAGCTGATTCCCCATGAAAGCTGCTGTTGGCTGAGCTGAACTGGCTTCTG	2340
Db	1201	ACCAAGTTCCGCTGTAAGAAGGGAGCCCOACCTCTGGTGCCTGAGGGTGA	1260	Db	2281	CCCAAGCTGATTCCCCATGAAAGCTGCTGTTGGCTGAGCTGAACTGGCTTCTG	2340
Qy	1261	TGCCCTCTCACTGAGCTCCGCTGCGAGGGTGGAGGATGCGCATTAACT	1320	Qy	2341	CGCGGGAGAGGGCGAGCTGGCTGCGCCCTCTGGTCAAGGGAGCTGCGA	2400
Db	1261	TGCCCTCTCACTGAGCTCCGCTGCGAGGGTGGAGGATGCGCATTAACT	1320	Db	2341	CGCGGGAGAGGGCGAGCTGGCTGCGCCCTCTGGTCAAGGGAGCTGCGA	2400
Qy	1321	TGCAATCTGGAGGATTCACTAGTGTGGCTGAGCTCCACCTCCAGAGGGTG	1380	Qy	2401	GGCGGCCTGGAGGATGGGAGCTGCTGAGCTGAACTGGCCACAGAGGAGCAGGCC	2460
Db	1321	TGCAATCTGGAGGATTCACTAGTGTGGCTGAGCTCCACCTCCAGAGGGTG	1380	Db	2401	GGCGGCCTGGAGGATGGGAGCTGCTGAGCTGAACTGGCCACAGAGGAGCAGGCC	2460
Qy	1381	CAGGAGTACAGGAGGAGTGTGACGAGCCGCCCCAGAGGAGCTGAGCTAC	1440	Qy	2461	AAGAGGTCAAGGCCAGTGA	2481
Db	1381	CAGGAGTACAGGAGGAGTGTGACGAGCCGCCCCAGAGGAGCTGAGCTAC	1440	Db	2461	AAGAGGTCAAGGCCAGTGA	2481

CURRENT FILING DATE: 2001-11-20
 / PRIORITY APPLICATION NUMBER: US 09/564, 805
 / PRIOR FILING DATE: 2001-05-05
 / PRIORITY APPLICATION NUMBER: US 60/107, 468
 / PRIOR FILING DATE: 1998-11-06
 / PRIOR FILING DATE: 1999-11-05
 / NUMBER OF SEQ ID NOS: 240
 / SOFTWARE: PatentIn Ver. 2.0
 / SEQ ID NO: 225
 / LENGTH: 2892
 / TYPE: DNA
 / ORGANISM: Gorilla gorilla
 / FEATURE:
 / NAME/KEY: CDS
 / LOCATION: (1) .. (2478)
 / US-09-988-626-225

Query Match 98.5%; Score 2442.6; DB 10; Length 2892;
 Best Local Similarity 99.0%; Pred. No. 0; Gaps 0;
 Matches 2457; Conservative 0; Mismatches 0; Indels 0;

Qy 1 ATGCGGCGCTTTGTCGTCGTCGAGCCATGTCAGGACAGTCAGTCGCA 1860
 Db 1 ATGCGGCGCTTTGTCGTCGTCGAGCCATGTCAGGACAGTCAGTCGCA 1860
 Qy 1 ACCATATCGAGGACACCACGCCGCCGAGAGCCGAGGCCAGCGACCTG 1920
 Db 1 ACCATATCGAGGACACCACGCCGCCGAGAGCCGAGGCCAGCGACCTG 1920
 Qy 1 CGTCGCGGAACTCTGCAAGGCTTGTGCGAACATGTCAGTCGTCGCA 1980
 Db 1 CGTCGCGGAACTCTGCAAGGCTTGTGCGAACATGTCAGTCGTCGCA 1980
 Qy 1 GTGGAAAGATTGATCACTGTCAGTGTGCTGCAATGTCAGTCGTCGCA 1980
 Db 1 GTGGAAAGATTGATCACTGTCAGTGTGCTGCAATGTCAGTCGTCGCA 1980
 Qy 1 ACCCTCTGATACATGAAAGGACACCCTGGAGATGGTGGAGAGTGGAAAG 2100
 Db 1 ACCCTCTGATACATGAAAGGACACCCTGGAAACGAGTCGAAAG 2100
 Qy 1 ACACAGCACAACCTCCAAAGCCATCGGGGATGGTGAACCGGACTTCATT 2160
 Db 1 ACACAGCACAACCTCCAAAGCCATCGGGGATGGTGAACCGGACTTCATT 2160
 Qy 1 ATGCTGAACACTCAGGCCGCTATGCAAGGTCCCTCTCAGCCCAACTTCAGC 2220
 Db 1 ATGCTGAACACTCAGGCCGCTATGCAAGGTCCCTCTCAGCCCAACTTCAGC 2220
 Qy 1 GAGAAAGTGGAGTCCCTGCTTGACACATGAAAGTCTGTCGAGACTTCGAACATG 2280
 Db 1 GAGAAAGTGGAGTCCCTGCTTGACACATGAAAGTCTGTCGAGACTTCGAACATG 2280
 Qy 1 CGCAAGGGAGAACGGGAGTGGCGAGCTGGCGAGCCGGCTCCCTGTCAGGGAGCTGGCA 2400
 Db 1 CGCAAGGGAGAACGGGAGTGGCGAGCTGGCGAGCCGGCTCCCTGTCAGGGAGCTGGCA 2400
 Qy 1 CGAAGGGAGAACGGGAGTGGCGAGCTGGCGAGCCGGCTCCCTGTCAGGGAGCTGGCA 2400
 Db 1 CGAAGGGAGAACGGGAGTGGCGAGCTGGCGAGCCGGCTCCCTGTCAGGGAGCTGGCA 2400
 Qy 1 GGGGGCCTGAGGATGGGGAGCTTCAGGAGAAGGGGCCACAGAGGACAGGCC 2460
 Db 1 GGGGGCCTGAGGATGGGGAGCTTCAGGAGAAGGGGCCACAGAGGACAGGCC 2460
 Qy 1 AGAAGGTCAGGCCAGTGA 2481
 Db 1 AGAAGGTCAGGCCAGTGA 2481

RESULT 10
 US-09-988-626-225
 / Sequence 225, Application US/09888626
 / Publication No. US2003004959A1
 / GENERAL INFORMATION:
 / APPLICANT: Tavtigian, Sean V.
 / APPLICANT: Teng, David H. F.
 / APPLICANT: Simard, Jacques
 / APPLICANT: Rommens, Johanna M.
 / APPLICANT: Myriad Genetics, Inc.
 / TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 / TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 / FILE REFERENCE: 23.1.8-258
 / CURRENT APPLICATION NUMBER: US/09/988 626
 / Db 601 GAAAGGCCCTCTCAGGAGCTCAGTCAGGAGCTCTCAGACTCGAGATGAAT 660
 / Db 601 GAAAGGCCCTCTCAGGAGCTCAGTCAGGAGCTCTCAGACTCGAGATGAAT 660
 / Qy 661 GAGGACACCTTCACATGCTGTTAGCTGAGGAGGACTCTCTGTCGTC 720
 / Db 661 GAGGACACCTTCACATGCTGTTAGCTGAGGAGGACTCTCTGTCGTC 720
 / Qy 721 GTAGCTTCATGCTGTTAGCTTCACTTAACTTAACTTAAAGGGAAACTCTCTGGTC 780
 / Db 721 GTAGCTTCATGCTGTTAGCTTCACTTAACTTAAAGGGAAACTCTCTGGTC 780

QY	781	GAGATGGCCCTCCAGTGGAGACAGTGGCATGGCTCCATCATGGCTGCTGCAAGGAC	840	1861	GTGGAAGATGATGATCAGTGGCTGTTGGACATGGATATTGGAAAGTTGACACTGT	1920
Db	781	GAGATGGCCCTCCAGTGGCATGGCTCCATCATGGCTGCTGCAAGGAC	840	1861	GTGGAAGATGATGATCAGTGGCTGTTGGACATGGATATTGGAAAGTTGACACTGT	1920
QY	841	GGAAAAGATACTCATGAGGAGAGATTTGGTGAAGCTGTACTCTCGA	900	1921	CTGGTGCAGCACTGCAAGCATCGTTCGTTGGCAGACCTCTGGCTGAA	1980
Db	841	GGAAAAGATACTCATGAGGAGAGATTTGGTGAAGCTGTACTCTCGA	900	1921	CTGGTGCAGCACTGCAAGCATCGTTCGTTGGCAGACCTCTGGCTGAA	1980
QY	901	GATCTGGTGTGTTGGTGAAGATGTCAGATGAAGCTTCAACCCAT	960	1981	GTGGTCTATTGGGAGACCATGCCCCTGGAGGCTCTGGTGGCATGGAAAGTGCC	2040
Db	901	GATCTGGTGTGTTGGTGAAGATGTCAGATGAAGCTTCAACCCAT	960	1981	GTGGTCTATTGGGAGACCATGCCCCTGGAGGCTCTGGTGGCATGGAAAGTGCC	2040
QY	961	TGTGAGAAATGCCACCTTGGAGGTACCAAGGAAAGGGATACCCCTGGCTGGT	1020	2041	ACCTCTGTATCATGAGCCACCCCTGAAAGGAAAGCTGGATGAAACGGGAGT	2100
Db	961	TGTGAGAAATGCCACCTTGGAGGTACCAAGGAAAGGGATACCCCTGGCTGGT	1020	2041	ACCTCTGTATCATGAGCCACCCCTGAAAGGAAAGCTGGATGAAACGGGAGT	2100
QY	1021	GTTCATCATGCCAACGACATCTGCTTGGACACCTAACAGCAGTGGAGAG	1080	2101	ACACACAGCACACGTCACGCCATAGCTGCGGATGAAACGGGAGT	2160
Db	1021	GTTCATCATGCCAACGACATCTGCTTGGACACCTAACAGCAGTGGAGAG	1080	2101	ACACACAGCACACGTCACGCCATAGCTGCGGATGAAACGGGAGT	2160
QY	1081	TTCGGCCCTGACACCCAGACTTGTCTGAATGAGCTCAACACTT	1140	2161	ATCTGAAACCACTTCAGCAGCTTGTCCAGGTCAGCTTCAACCCACT	2220
Db	1081	TTCGGCCCTGACACCCAGACTTGTCTGAATGAGCTCAACACTT	1140	2161	ATCTGAAACCACTTCAGCAGCTTGTCCAGGTCAGCTTCAACCCACT	2220
QY	1141	CGCACCCAAAGATTCAAAACCGTCACCTCATCCACCCCTCATGTC	1200	2221	GGAAAGTGGGACTTTGGCTTACCAACATGAGGTCTGGTGGACATGGAG	2280
Db	1141	CGCACCCAAAGATTCAAAACCGTCACCTCATCCACCCCTCATGTC	1200	2221	GGAAAGTGGGACTTTGGCTTACCAACATGAGGTCTGGTGGACATGGAG	2280
QY	1201	ACCACTTTCGGCTGTAAGAAGGGGGCCCCACCTTCAGTGTGCCATGGTGA	1260	2281	CCGAAGCTGATTCCTCCACACTGAAAGCCCTGTTGGGACATGGAGGAG	2340
Db	1201	ACCACTTTCGGCTGTAAGAAGGGGGCCCCACCTTCAGTGTGCCATGGTGA	1260	2281	CCGAAGCTGATTCCTCCACACTGAAAGCCCTGTTGGGACATGGAGGAG	2340
QY	1261	TGCCCTCTCGAACTGACCGCTCGTCCACGGGGAGTCCTAATTACT	1320	2281	CCGAAGCTGATTCCTCCACACTGAAAGCCCTGTTGGGACATGGAGGAG	2340
Db	1261	TGCCCTCTCGAACTGACCGCTCGTCCACGGGGAGTCCTAATTACT	1320	2281	CCGAAGCTGATTCCTCCACACTGAAAGCCCTGTTGGGACATGGAGGAG	2340
QY	1321	TGCAATCCCTGGGATTCTAGTTGGGGCTGAGCTCCACCTTCCAGCAGAGCTG	1380	2341	CGAGGGAGAAGGGAGCTGCCAGCTGGGAGCTGCCAGCTGGGAGCTGCCA	2400
Db	1321	TGCAATCCCTGGGATTCTAGTTGGGGCTGAGCTCCACCTTCCAGCAGAGCTG	1380	2341	CGAGGGAGAAGGGAGCTGCCAGCTGGGAGCTGCCAGCTGGGAGCTGCCA	2400
QY	1381	CAGGAGTAAGGGAGGTGGCAGACGGCCACGCCACAGAGGATTCAGTAC	1440	2401	GGCGCCCTGGGAGATGGGAGCTCAAGAGGGGCCACAGAGGCCACAGAG	2460
Db	1381	CAGGAGTAAGGGAGGTGGCAGACGGCCACGCCACAGAGGATTCAGTAC	1440	2401	GGCGCCCTGGGAGATGGGAGCTCAAGAGGGGCCACAGAGGCCACAGAG	2460
QY	1441	CCGAATACTCATCTCTGGAAACAGGTCTGGCCATCCCGATGAAATGTCAGT	1500	2461	AAGAGGTAGAGCCAGCTGA	2481
Db	1441	CCGAATACTCATCTCTGGAAACAGGTCTGGCCATCCCGATGAAATGTCAGT	1500	2461	AAGAGGTAGAGCCAGCTGA	2481
QY	1501	GCCACACTTGTCAACATAACCCGGACAGTCGTCATCTGGACTGGTGGAGGGAC	1560	RESULT 11		
Db	1501	GCCACACTTGTCAACATAACCCGGACAGTCGTCATCTGGACTGGTGGAGGGAC	1560	US-09-988-687-225		
QY	1561	TTTGGGAGCTGGCTGGCTGGGCTGGGACGGGGCTGGCACCTGGT	1620	Sequence 225		
Db	1561	TTTGGGAGCTGGCTGGGCTGGGACGGGGCTGGCACCTGGT	1620	Application US/09988687		
QY	1621	GCTGTTGTTGTTGTTGCTGGCCACCTGCAAGGAGTCACCAACGGGCTGG	1680	GENERAL INFORMATION:		
Db	1621	GCTGTTGTTGTTGCTGGCCACCTGCAAGGAGTCACCAACGGGCTGG	1680	Application No. US20030045704A1		
QY	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	APPLICANT: Tariqian, Sean V.		
Db	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	APPLICANT: Terig, David H.F.		
QY	1741	CCCAACAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1800	APPLICANT: Simard, Jacques		
Db	1741	CCCAACAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1800	APPLICANT: Rommens, Johanna M.		
QY	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	APPLICANT: Myriad Genetics, Inc.		
Db	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility		
QY	1741	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	FILE REFERENCE: 2318-258		
Db	1741	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	CURRENT APPLICATION NUMBER: US/09/988,687		
QY	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	CURRENT FILING DATE: 2001-11-20		
Db	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	PRIOR APPLICATION NUMBER: 09/564,805		
QY	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	PRIOR FILING DATE: 2000-05-05		
Db	1681	CAGAGAAAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1740	PRIOR APPLICATION NUMBER: 60/107,468		
QY	1741	CCCAACAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1800	PRIOR FILING DATE: 1998-11-06		
Db	1741	CCCAACAGCTCAAGCTGGCATCTTGGGAAAGGGCTTCACCCCTGGG	1800	PRIOR APPLICATION NUMBER: 09/434,382		
QY	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	PRIOR FILING DATE: 1999-11-05		
Db	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	NUMBER OF SEQ ID NOS: 240		
QY	1741	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	SOFTWARE: PatentIn Ver. 2.0		
Db	1741	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	SEQ ID NO: 2892		
QY	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	TYPE: DNA		
Db	1801	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	ORGANISM: Gorilla gorilla		
QY	1741	CACATGATGATGATGCTGGCAATGGGCTGAGATCAGTCCTGCA	1860	PRIMTPE:		


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TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
i FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988, 626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564, 805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107, 468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434, 382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 221
LENGTH: 2470
TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (1)..(2466)
US-09-988-626-21

Query Match Score 1645..6; DB 10; Length 2
Best Local Similarity 81..6%; Pred. No. 0;
Matches 1958; Conservative 0; Mismatches 417; Indels 2
Qy 58 CGACCATATGGCAGGCACCGCCCGCGCGGAGGGCGGGCAAGGACCCG
Db 40 CGCACCATGGCAGGGTGGCTGGTGGCTGGCGGGCCACCAAGACCC
Qy 118 CTGGCACCGGAGAAGGCGGAGCCGTGGTGGCTCCTCCGGGCCAAC
Ddb 100 CTGCCTACGGGGAAAGGGGACCTGGGGACTGGGGCGGCCCTACCTC
Qy 178 CTGCAAGGTGGTGGCAGGGGAATGGGGACTGGGGCGGCCCTACCTC
Ddb 154 CTGCAAGGTGGCAGGGGAATGGGGACTGGGGCGGCCCTACCTC
Qy 238 TTCAACCGGTATCTTCACACTGTGGAGAGGGGTTCAAGAACCTGGAG
Ddb 214 TACACACGGTAACTTCTTAACTGGCAGAGGGCTCCAAAGCACTTATGGAG
Qy 298 TAAAGGTTCTCGCTGGAAACATACTTCTGACAGATGACTGGTCT
Ddb 274 ACTGAAAGTCGGCTGGAAATTTCTTAACTTCTGACAGATGACTGGTCT
Qy 358 GGCTTAAGTGGAAATTTCTTAACTTCTGACAGATGACTGGTCT
Ddb 334 GGGTGTGTGGAAATTTCTTAACTTCTGACAGATGACTGGTCT
Qy 418 GACCTCCACAACCTGGAAAATACTTCAGAACCTCAAAATACTTCTGGT
Ddb 394 GACACCAACAGCTGGAAATTTCTGACAGATGACTGGTCT
Qy 478 GAAATGAACTGGTGTGGCCCAACHTCTGCCAGAAATCGAGGATCAA
Ddb 454 GAAATGAACTGGTGTGGCCCAACHTCTGCCAGAAATCGAGGATCAA
Qy 538 GTTACACATCCCATACAGTGAACAGGAACTTCAAGGAGGATCTTCAAGTCCGAG
Ddb 514 GTTACACATCCCATACAGTGAACGGATCTTCAAGGAGGATCTTCAAGTCCGAG
Qy 598 CAGAAAACCTCTCAGGAGGCTAGTCCAGGGATCTTCAAGTCCGAG
Ddb 574 CCAAGAACATCTCCAAAGGGCTAGTCCAAACAGTATCGAGTCTGGAA
Qy 658 ATGAGGCCACACCTTCCACATGGTGTACCCAGAAAGGGGTCAGGAC
Ddb 634 AATGGGC-----AGTCCACAGGAAGATGGGCAAGGAC
Qy 718 GTGCTAGCTTTCATCTGTAAAGCTTCACTTAAGAGGAAACCTCTGTGGG
Ddb 679 GTGCTAGCTTGTCTGCAAGCTTCACTTAAGAGGAAACCTCTGTGGG

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Best Local Similarity 81.6% Matches 1958: Conservative		Pred. No. 0; 0; Mismatches 417;	Indels 24;	Gaps 4;
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Qy	1918 TGTCTGTGCGCACGTGAAAGTGTGCTGCTGCTGCTGCTGCTGCTG	1977		
Db	1879 TGCCTGTACTCGCGTCACTGAAATGCTTGTGCTGCTGCTGCTGCTG	1938		
Qy	1978 AAAGTGTCTATTCCGGAACCATGCCCAGCTGAGCTCCTGCTGGAGCTGG	2037		
Db	1939 AAAGTGTCTACTCGGGATACATGCGTCACTGAAATGCTTGTGCTG	1998		
Qy	2038 GCCACCCCTCGATAATGAAACCCCTGGAAAGTGGTTGAAAGGGAGCACTGGAA	2097		
Db	1999 GCCACCCCTCTGATAATGAAAGGGATCTGGAGTCAGTGTAGAG	2058		
Qy	2098 AGAGAACACACACAAAGTCCAAAGCATCGCCGGGATGAAAGCGGAGTT	2157		
Db	2059 AGGACACACACACACACACTCCAGGTTATTATGGGATGGATGAACTGAGTT	2118		
Qy	2158 ATTATGCTGAAACATTCAAGGGCTATGCCAACGCTTCAAGGCCAACCTTC	2217		
Db	2119 ATCAATGCTGAAACATTCAAGTCCCTTTCAGGCTGACTTCATTC	2178		
Qy	2218 AGCGGAAATCTGGAGTTGGCTTGGCAATGAACTTCTTGGAGACTTCAACA	2277		
Db	2179 AACGGAAAATCTGGATCAGCTGCTTGGACCAATGAAAGGTCTTGGACA	2238		
Qy	2278 ATGCCCAAGTGTATCCCAACTGAAAGGCTCTGGCTGGACATCGAGGAGATGGAG	2337		
Db	2239 GTGCCCAAGTGTATCCCACTGAAAGGCTCTGGCTGGACATCGAGGAGATGGT	2298		
Qy	2338 GAGGCCGGGAAAGGGAGCTGGCCAGGGCCGGCCCTCTGGTCAAGGGAGCTG	2397		
Db	2299 GAACCCGGGAAGAGGGAGTCAAGCTGCTGGCAAGCCTCTGTGACCC--GAGCAG	2355		
Qy	2398 GAGGCCGGCTGGGGATGGAGCTCAAGCAAGGGCCACACAGGACCCACA	2456		
Db	2356 GCAGACAGGCCAGGGACACAGAACCCACACAGATGAAACCACA	2414		
RESULT 15				
Qy	US-09-988-687-221	Sequence 221, Application US/09988687		
		Publication No. US2003045704A1		
		GENERAL INFORMATION:		
		APPLICANT: Myriad Genetics, Inc.		
		APPLICANT: Tsvigian, Sean V.		
		APPLICANT: Teng, David H.F.		
		APPLICANT: Simard, Jacques		
		APPLICANT: Rommens, Joanna M.		
		CURRENT FILING DATE: 2001-11-20		
		PRIOR APPLICATION NUMBER: US/09/988,687		
		PRIOR FILING DATE: 2000-05-05		
		PRIOR APPLICATION NUMBER: US 60/107,468		
		PRIOR FILING DATE: 1998-11-06		
		PRIOR APPLICATION NUMBER: US 09/434,382		
		PRIOR FILING DATE: 1999-11-05		
		NUMBER OF SEQ ID NOS: 240		
		SEQUENCE: Patent in Ver. 2.0		
		LENGTH: 2470		
		TYPE: DNA		
		ORGANISM: Mus musculus		
		FEATURE:		
		NAME/KEY: CDS		
		LOCATION: (1) . . . (2466)		
		JS-09-988-687-221		
Qy	1018 AGGGTCACTGGCCAGATCTGTGCTGTGAACTGTGCTGAGTCAAC	1137		
Db	979 GTGTCACATAGCCTGAAATCTGTGATGAGATCAGGTGAACTGGAG	1038		
Qy	1078 AGGTGGCTGTCAGCCAGCTTGTGCTGAACTGTGCTGAGTCAAC	1137		

Db	1039	AGGTTCGGCCCTGACACAGCACCTGATTCTGATGAGAATGCCCGTCGGTCCAAC 1098	Qy	2218	AGCGAGAAATGGAGTGCCTTGACACATGAGGTGCTGGAGACTTCCACA 2277
Qy	1138	CTTCAGGACAGATTAAACCCAGTCACTAACCTAACCGTCATCTTCCCGT 1197	Db	2179	AACGAGAAATGGAGTGCCTTGACACATGAGGTGCTGGAGACTTCCGACA 2238
Db	1099	CTGGCAGGCCAACAGATTGACCCAGTCAGCTCATCCACCTGACATCTTCCCGAG 1158	Qy	2278	ATGCCAAAGCTGATTCCCAACTGAAAGCCCTGTTCTGGACATCAGGAGTGGAG 2337
Qy	1198	CTTACCAAGTTCCGGCTGTGATGAAAGGGGCCAACCTCACTGGCCATGTTCAAGGT 1257	Db	2239	GTGCCAAAGCTGATTCCCAACTGAAAGCCCTGTTCTGGACATCAGGAGTGGAG 2298
Db	1159	CTTACCAAGTTCCGGCTGTGATGAAAGGGGCCAACCTCACTGGCCATGTTCAAGGT 1218	Qy	2338	GAGCGAGGGAGAAGGGCTGGGAGCTGGGAGCTGGGAGCTGGGAGCTGGGAGCTGG 2397
Qy	1258	GAATGCTCTCTCAAGTACCGCTCCAGGAGGACTGGAGGATGTCGCACTATT 1317	Db	2299	GAACGGAGGGAGAAGGGCTAGGCTAGGCTAGGCTAGGCTAGGCTAGGCTAGG 2355
Db	1219	GAATGCTCTCAAAATTAGTCGCCCCAAGAGAGTGGAGGATGTCGCACTACACTC 1278	Qy	2398	GAAGGGCCCTGGAGGTGGGGACCTCAGCAGAGGGCCACACAGGAGCCACA 2456
Qy	1318	ACTTGAATCTCTGAGAAATTATAGTTGAGGCTGCGACTTCCCAACTTCCAGAGC 1377	Db	2356	GCAGAGACGCCAGAGCAAGAGAACCCAAAGAGAACAGATGAACTGACCA 2414
Db	1279	GACTGCAATTACTGATGAAATTATAGTCGCCCCAAGAGAGTGGAGGATGTCGAGAT 1338			
Qy	1378	GTGCAAGGAGACAGAGGAGTGGCAGGGCCAGGCCAACAGAGAAAGTCAG 1437			
Db	1339	GTGGAGGAGATGGAGAAAGCTGGAGGAAAACCCAGGCCAACAGAGAAAGCCAG 1398			
Qy	1438	TACCCAGAAATCATCTCCCTGGAACAGGGCTGGCATCCGATGAGATTCGAATGTC 1497			
Db	1399	TATCCCTGAATTGCTTCCCTGGTAGCCGGGCTGCGCATCCAAATGGAGATCCGAATTC 1458			
Qy	1498	AGTGGCAACATCTGTCAACATAAGGCCCGAACGCTTCTGGTACTCTGGACTCTGGTGGAGGGC 1557			
Db	1459	AGTTCACACATCTGTCAACCTGCAAGCTGCAAGCTGAGGCTCTGGATGTCGAGAACGC 1518			
Qy	1558	ACATTGGGAGCTGTCGCCCTCATGGAAACACGGGTGGACAGGGTCTGGGACCCCTG 1617			
Db	1519	ACTTTCGGCTGCTGTCGCAATTAGGAGAAATAGACCAAGTCTATGAGGCTC 1578			
Qy	1618	GCTGCTGTGTTGTGTCACCTGCAACGCAATGACCAACAGGGCTTGCGCAAGTATCTG 1677			
Db	1579	ACGGCCTCTGTGTCACCTGCAACCTGCAACGGCAACACGGCTTGTGAATATCTG 1638			
Qy	1678	CTGCAAGAGAACGCGCTGGCATTTGGAAAGGCCGTTACCCCTTGTCTGGTGT 1737			
Db	1639	CTGCAAGAGAACGCTGGCATTCGGGAAACCCCTCCAGGCCCTGTCTGGTGT 1698			
Qy	1738	GCCCCAACACGCTCAAAGCTGGCAGAAGTACCAACACGGCTGGAGCTCTG 1797			
Db	1699	GTCCPACCACTCAGGGCTGGTCAGCACTACACCAACTGGAGGATTCCTG 1758			
Qy	1798	CACCACTACATGATTCTCTGCAAAATGCCCTTCAGGAAGGGCTGAGATCTCCAGTCT 1857			
Db	1759	CACCACTACATGATTCTCTGCCAAATGCTTCAGAAAGGGCAAGGTCTCAAATACT 1818			
Qy	1858	GCAGTGGAAAGATTGATGCACTGGCTGGTGGAACTGTAATTTCAGGATTCAGAC 1917			
Db	1819	ACATGCAAAAGCTGATAAGCTGCTGGTGAACATGTAACCTGAAAGATTGACCC 1878			
Qy	1918	TGTCTGTGTCGCACTGCAAGCATGGTTGGCTGGCAGACTCTGGCTGG 1977			
Db	1879	TGCTCTGTGTCGCACTGCAAGCATGGTTGGCTGGCAGACTCTGGCTGGCTGG 1938			
Qy	1978	AAAGTGTCTTATTCTGGGGACACATGGCTGGCTGGGAGATGGTGGAGCTGG 2037			
Db	1939	AAAGTGTCTTACTCTGGGGATACCATGCAAGCTGGCTGGGAGATGGTGGAGCTGG 1998			
Qy	2038	GCCACCCCTCTGATACATGCAACCTGGCTGGGAGATGGTGGAGCTGGCTGG 2097			
Db	1999	GCCACCCCTCTGATACATGCAAGCTGGCTGGGAGATGGTGGAGCTGGCTGG 2058			
Qy	2098	AAGACACACGCAACCTGCAAGCTGGCTGGGAGATGGTGGAGCTGGCTGG 2157			
Db	2059	AGACACACGCAACCTGCAAGCTGGCTGGGAGATGGTGGAGCTGGCTGG 2119			
Qy	2158	ATTATGCTGAAACCACTCGCAAGCGCTATGCCAACTGCACTCCCTCTGCAAGCCAAACTC 2217			
Db	2119	ATCATGCTGAAACCACTCGCAAGCGCTATGCCAACTGCACTCCCTCTGCAAGCCAAACTC 2178			

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